Concurrence:

L. D. Romine, Director Transition Programs

Division,

U.S. Department of Energy, Richland Operations Office

Approved by:

P. M. Knollmeyer Assistant Manager for Facility Transition, U.S. Department of Energy,

Richland Operations Office

4.2.4 FSP Project

The primary Facility Stabilization Project (FSP) mission is to deactivate contaminated facilities on the Hanford Site, in preparation for Decontamination and Decommissioning (D&D), and to provide safe and secure storage of Special Nuclear Material (SNM), Nuclear Material (NM), and Nuclear Fuel (NF) until these materials can be transferred to another facility, sold, or dispositioned.

The FSP mission includes providing minimum safe surveillance and maintenance of facilities on the Hanford Site to reduce risks to workers, the public and environment, until they are transitioned to a low cost, long term surveillance and maintenance (S&M) state. Facility Stabilization will protect the health and safety of the public and our workers, protect the environment, and provide beneficial use of the facilities and other resources where it makes sense to do so. Work will be in accordance with the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), local, national, international and other agreements, and in compliance with all applicable Federal, state, and local laws. The stakeholders will be active participants in the decision processes including establishing priorities, and in developing a consistent set of rules, regulations, and laws. Work will be leveraged with a view of providing positive, lasting economic impact in the region.

The primary FSP objectives include the following.

- Develop detailed facility deactivation plans, end point criteria, and regulatory documentation.
- Achieve compliance with Environmental, Safety, and Health (ES&H) codes and standards during deactivation and establish a passively safe and environmentally secure configuration that is easily maintained until final D&D.
- · Implement cost-effective, innovative approaches to ensure the required safety envelope is defined and maintained during deactivation.
- · Achieve deactivation of facilities for transfer to the Environmental Restoration (ER) Program, using Plutonium/Uranium Extraction (PUREX) plant deactivation as a model for future facility deactivation.
 - · Apply lessons learned on other deactivation projects.
 - Reduce the annual S&M cost by a factor of ten after completion of deactivation.
 - · Complete deactivation and turnover of subprojects within approved baseline schedules.
 - · Protect the health and safety of the public, workers, and environment.
 - Seek beneficial uses for facilities, equipment, and materials (all types) and resources.
 - · Consolidate SNM/NM/NF to the maximum extent practical.
- · Manage nuclear materials in a safe and secure condition and where appropriate, in accordance with International Atomic Energy Agency (IAEA) safeguards rules.
- Treat nuclear materials as necessary, and store onsite in long-term interim safe storage awaiting a final disposition decision by U.S. Department of Energy (DOE).
- · Implement nuclear materials disposition directives. In the near term these are anticipated to mostly involve transferring uranium to other locations for beneficial use.
- Conduct work in accordance with the Tri-Party Agreement; local, national, international, and other agreements; and in compliance with all applicable federal, state, and local laws.
 - · Involve stakeholders in the decision processes including establishing priorities, and in

developing a consistent set of rules, regulations, and laws.

Leverage work with a view of providing positive, lasting economic impact in the region.

Section 8 of the Tri-Party Agreement describes the facility decommissioning process and divides it into three main phases. The three phases are transition, surveillance, and maintenance and disposition. The FSP is typically responsible for the transition phase when dealing with contaminated facilities.

The transition to deactivation will be accomplished through a phased approach, while maintaining the facilities in a safe and compliant configuration. In addition, Facility Stabilization will continue to maintain safe long-term storage facilities for SNM, NM, and NF.

The FSP shall use guidance contained in WHC-SD-CP-MAR-003, Mission Analysis Report: Deactivation Facilities at Hanford (Lund 1996), the Hanford Excess Facility Management Plan, and the U.S. Department of Energy, Office of Environmental Management, Office of Nuclear Material and Facility Stabilization Material Stabilization and Facility Deactivation Project Policies and Supplemental Information as a basis for planning and executing subprojects.

The management of SNM/NM/NF (including irradiated and nonirradiated) shall include the receiving, handling, processing, storing, and transfer for ultimate disposition of these materials in a safe, efficient, and environmentally responsible manner. Materials included are Pu (and highly enriched uranium [HEU]) as inventoried, Spent Nuclear Fuel (SNF), Cs/Sr capsules, thorium (Th), and miscellaneous actinides such as neptunium and californium, nuclear standards and sources, and uranium (depleted, naturally occurring, and low-enriched).

4.2.4.a Project Structure

- B-Plant (RL-TP01)
- WESF (RL-TP02)
- PUREX (RL-TP03)
- 300 Area/SNM (RL-TP04)
- PFP (RL-TP05)
- Transition Project Management (RL-TP12)
- Accelerated Deactivation (RL-TP10)
- 324/327 Facility Transition (RL-TP08)
- Hanford Surplus Facility Prog 300A Revitalization (RL-TP14)

4.2.4.b Hanford Strategic Plan Goals

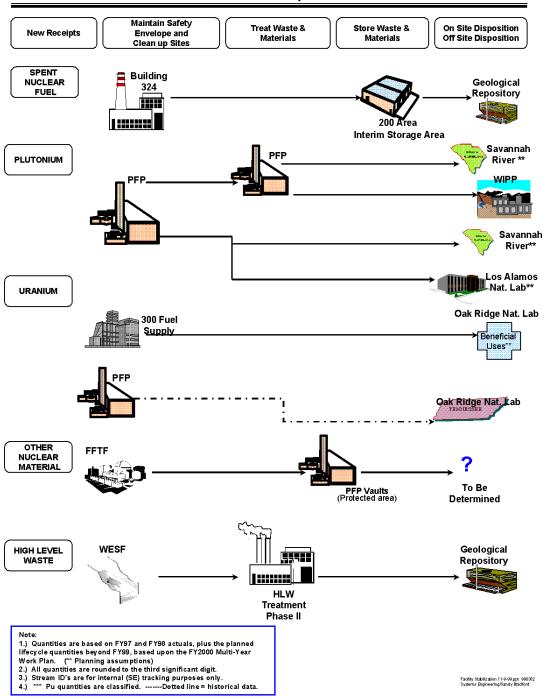
The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- The 200 Areas and central plateau will be used for the management of nuclear materials and the collection and disposal of waste materials that remain onsite and for other related and compatible uses. Cleanup levels and disposal standards will be established that are consistent with these long-term uses.
- The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
- Spent nuclear fuels will be prepared and packaged as necessary for interim, dry storage onsite, and shipped offsite for disposal in a national repository.

4.2.4.c Technical Logic

Figure 4-5 Facility Stabilization Material/Flow Logic

FACILITY STABILIZATION Waste and Material Disposition Paths



4.2.4.d Facility Life-Cycle Responsibility Assignments

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments

	Life Cycle Phase						
Asset	Program	Pre-	Conceptual	Execute	O&M	Clos	e Out
	Planning	Conceptual	-			Post Ops	D&D
100-DR Reactor	RL-ER10					-	RL-ER06
1720DR	RL-ER10					RL-TP10	RL-ER06
CP Soil Site Operable Units	RL-ER10					RL-ER02	RL-ER02
-						RL-ER05	RL-ER07
209E						RL-TP10	RL-ER06
242S					RL-TW03	RL-TP10	RL-TW04
242T					RL-TW03	RL-TP10	RL-TW04
2713W					RL-TW03	RL-TP10	RL-TW04
200 LEF	RL-WM05				RL-WM05		RL-ER02
242 A Evenerator	RL-WM05				RL-WM05	RL-ER05	RL-ER06
242-A Evaporator	RL-WIVIUS				RL-WIVIUS		RL-ER06
242A	RL-WM05				RL-WM05	RL-TP10 RL-TP10	RL-ER07
242A	RL-WIVIUS				RL-WIVIUS		RL-ER06
242AB	RL-WM05	-	 		RL-WM05	RL-TP13 RL-TP10	RL-TP13 RL-ER06
242AD	KL-WINDS				KL-WINDS		
iquid Effluent Potention Escilit:	RL-WM05				RL-WM05	RL-TP13 RL-ER05	RL-TP13
iquid Effluent Retention Facility	KL-MINIO2				KL-MINIO2		RL-ER06
242AL-42	RL-WM05				RL-WM05	RL-TP10 RL-TP10	RL-ER07
242AL-42 242AL-43	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL-43 242AL-44	RL-WM05				RL-WM05	RL-TP10 RL-TP10	RL-ER06
242AL-44 242AL11	RL-WM05				RL-WM05	RL-TP10	RL-ER06
200 Area Effluent Treatment Facility	RL-WM05				RL-WM05	RL-TP10	RL-ER06
200 Area Emilient Treatment Facility	KL-WIVIOS				KL-WIVIUS	RL-ERUS	RL-ER00
2025E	RL-WM05				RL-WM05	RL-TP10	
2025E 2025EC	RL-WM05				RL-WM05	RL-TP10	RL-ER06
2025EC 2025EC71	RL-WM05				RL-WM05	DI TD10	RL-ER06
225W	RL-WM05				RL-WM05	RL-TP10 RL-TP10	RL-ER06
PUREX	RL-TP03				KL-WIVIUS	RL-TP10	RL-ER06
PUREA	KL-1F03					RL-ER03	RL-ER00
202A	RL-TP03					RL-TP03	RL-ER06
203A	RL-TP03					RL-TP03	RL-ER06
204A	RL-TP03					RL-TP03	RL-ER06
205A	RL-TP03					RL-TP03	RL-ER06
206A	RL-TP03					RL-TP03	RL-ER06
210A	RL-TP03					RL-TP03	RL-ER06
211A	RL-TP03					RL-TP03	RL-ER06
212A	RL-TP03					RL-TP03	RL-ER06
213A	RL-TP03					RL-TP03	RL-ER06
215A	RL-TP03					RL-TP03	RL-ER06
214A	RL-TP03					RL-TP03	RL-ER06
216A	RL-TP03					RL-TP03	RL-ER06
218E14	RL-TP03					RL-TP03	RL-ER06
218E15	RL-TP10					RL-TP10	RL-ER06
225EC	RL-TP03				RL-WM05	RL-TP13	RL-TP13
245A	RL-TP03					RL-TP03	RL-ER06
2701AB	RL-TP03					RL-TP03	RL-ER06
2701AC	RL-TP03					RL-TP03	RL-ER06
271A	RL-TP03					RL-TP03	RL-ER06
2711A	RL-TP03					RL-TP03	
2712A	RL-TP03					RL-TP03	RL-ER06
2716A	RL-TP03					RL-TP03	RL-ER06
2714A	RL-TP03					RL-TP03	RL-ER06
271AB	RL-TP03					RL-TP03	RL-ER06
276A	RL-TP03					RL-TP03	RL-ER06
281A	RL-TP03					RL-TP03	RL-ER06
291A	RL-TP03					RL-TP03	RL-ER06
291AB	RL-TP03					RL-TP03	RL-ER06
291AC	RL-TP03					RL-TP03	RL-ER06
291AD	RL-TP03				<u> </u>	RL-TP03	RL-ER06

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

		(COIII		o Cyclo Pho			
Asset	Program	Pre-		e Cycle Pha		Clas	a Out
Asset	Planning	Conceptual	Conceptual	Execute	O&M	-	e Out
291AE	_	, , , , , , , , , , , , , , , , , , ,				Post Ops RL-TP03	D&D RL-ER06
291AG	RL-TP03 RL-TP03					RL-TP03	RL-ER06
291AH	RL-TP03					RL-TP03	RL-ER06
291AJ	RL-TP03					RL-TP03	RL-ER06
291AK	RL-TP03					RL-TP03	RL-ER06
292AA	RL-TP03					RL-TP03	RL-ER06
292AB	RL-TP03					RL-TP03	RL-ER06
293A	RL-TP03					RL-TP03	RL-ER06
294A	RL-TP03					RL-TP03	RL-ER06
295A	RL-TP03					RL-TP03	RL-ER06
295A1	RL-TP03					RL-TP03	RL-ER06
295A2	RL-TP03					RL-TP03	RL-ER06
295AA	RL-TP03					RL-TP03	RL-ER06
295AB	RL-TP03					RL-TP03	RL-ER06
295AC	RL-TP03					RL-TP03	RL-ER06
295AD	RL-TP03					RL-TP03	RL-ER06
295AE	RL-TP03				-	RL-TP03	RL-ER06
217A 252AB	RL-TP03 RL-TP03				 	RL-TP03 RL-TP03	RL-ER06
293AA	RL-TP03				 	RL-TP03 RL-TP03	RL-ER06 RL-ER06
B Plant	RL-TP03				 	RL-TP03	RL-ER06
B Flailt	IKL-1F01					RL-ER03	RL-ER07
207B	RL-TP01				-		RL-ER07
207BA	RL-TP01						RL-ER06
211B	RL-TP01					RL-TP01	RL-ER06
211BB	RL-TP01					RL-TP01	RL-ER06
212B	RL-TP01					RL-TP01	RL-ER06
217B	RL-TP01					İ	RL-ER06
221B	RL-TP01					RL-TP01	RL-ER06
221BA	RL-TP01						RL-ER06
221BB	RL-TP01					RL-TP01	RL-ER06
221BC	RL-TP01					RL-TP01	RL-ER06
221BD	RL-TP01					RL-TP01	RL-ER06
221BE	RL-TP01					RL-TP01	RL-ER06
221BF	RL-TP01					RL-TP01	RL-ER06
221BG	RL-TP01					DI TDOI	RL-ER06
222B	RL-TP01					RL-TP01	RL-ER06
2711B	RL-TP01					RL-TP01	RL-ER06
2715B 2716B	RL-TP01				-	DI TD04	RL-ER06
271B	RL-TP01 RL-TP01					RL-TP01 RL-TP01	RL-ER06 RL-ER06
271BA	RL-TP01					KL-1FU1	RL-ER06
276B	RL-TP01				 	RL-TP01	RL-ER06
291B	RL-TP01				 	RL-TP01	RL-ER06
291BA	RL-TP01				 	RL-TP01	RL-ER06
291BB	RL-TP01					RL-TP01	RL-ER06
291BC	RL-TP01					RL-TP01	RL-ER06
291BD	RL-TP01					RL-TP01	RL-ER06
291BF	RL-TP01					RL-TP01	RL-ER06
291BG	RL-TP01					RL-TP01	RL-ER06
291BH	RL-TP01					RL-TP01	RL-ER06
291BJ	RL-TP01					<u> </u>	RL-ER06
291BK	RL-TP01					RL-TP01	RL-ER06
292B	RL-TP01					RL-TP01	RL-ER06
219B	RL-TP01					RL-TP01	RL-ER06
291BE	RL-TP01	1			DI TESS	RL-TP01	RL-ER06
WESF	RL-TP02				RL-TP02	RL-ER05	RL-ER06
04.00	DI TDOC				DI TDOO	RL-TP02	RL-ER07
218B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BB 225BC	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BC 225BD	RL-TP02 RL-TP02				RL-TP02 RL-TP02	RL-TP02 RL-TP02	RL-ER06 RL-ER06
225BE	RL-TP02 RL-TP02				RL-TP02	RL-TP02 RL-TP02	RL-ER06
	RL-TP02 RL-TP02				RL-TP02	RL-TP02	
225BG	[KL-1P02	1			JKL-1702	IKL-1702	RL-ER06

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

	<u> </u>	•	inuea)	e Cycle Pha	186		
Asset	Program	Pre-	Conceptual	Execute	O&M	Clos	e Out
710001	Planning	Conceptual		Execute	Ualvi	Post Ops	D&D
225BF	RL-TP02	<u> </u>			RL-TP02	RL-TP02	RL-ER06
282B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
282BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
294B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
211BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272BB	RL-TP02				RL-TP02	RL-TP02	RL-ER06
PFP	RL-TP05					RL-ER05	RL-ER06
						RL-TP05	RL-ER07
						1	RL-TP05
216Z9A	RL-TP05					RL-TP05	RL-ER06
216Z9B	RL-TP05					RL-TP05	RL-ER06
216Z9C	RL-TP05					RL-TP05	RL-ER06
225WC	RL-TP05					RL-TP05	RL-ER06
231Z	RL-TP05					RL-TP10	RL-ER06
	RL-TP10						
232Z	RL-TP05				ĺ	RL-TP05	RL-ER06
234-5Z	RL-TP05					RL-TP05	RL-ER06
234-5Z-BA	RL-TP05				RL-I111	RL-TP13	RL-ER06
	RL-TP13	1	1				
234-5ZA	RL-TP05					RL-TP05	RL-ER06
234ZB	RL-TP05	1				RL-TP05	RL-ER06
234ZC	RL-TP05					RL-TP05	RL-ER06
236Z	RL-TP05					RL-TP05	RL-ER06
241Z	RL-TP05					RL-TP05	RL-ER06
241ZA	RL-TP05					RL-TP05	RL-ER06
241ZB	RL-TP05					RL-TP05	RL-ER06
241ZG	RL-TP05					RL-TP05	RL-ER06
241ZRB	RL-TP05					RL-TP05	RL-ER06
242Z	RL-TP05					RL-TP05	RL-ER06
243Z	RL-TP05					RL-TP05	RL-ER06
243ZA	RL-TP05					RL-TP05	RL-ER06
243ZB	RL-TP05					RL-TP05	RL-ER06
267Z	RL-TP05					RL-TP05	RL-ER06
2701ZA	RL-TP05					RL-TP05	RL-ER06
2701ZB	RL-TP05					RL-TP05	
2701ZD	RL-TP05					RL-TP05	RL-ER06
2702Z	RL-TP05					RL-TP05	RL-ER06
2704Z	RL-TP05					RL-TP05	RL-ER06
2705Z	RL-TP05					RL-TP05	RL-ER06
270Z	RL-TP05					RL-TP05	RL-ER06
2712Z	RL-TP05					RL-TP05	RL-ER06
2715Z	RL-TP05	-	 		-	RL-TP05	RL-ER06 RL-ER06
2715ZL 2721Z	RL-TP05 RL-TP05	 	 		1	RL-TP05 RL-TP05	RL-ER06
2721Z 2722Z	RL-TP05	 	 		1	RL-TP05	RL-ER06
2725Z	RL-TP05	 	 		1	RL-TP05	RL-ER06
2727Z	RL-TP05	 	 		 	RL-TP05	RL-ER06
2729Z	RL-TP05		 		1	RL-TP05	RL-ER06
2731Z	RL-TP05				1	RL-TP05	RL-ER06
2731ZA	RL-TP05	 	 		1	RL-TP05	RL-ER06
2734Z	RL-TP05	1			1	RL-TP05	RL-ER06
2734ZA	RL-TP05	1	1			RL-TP05	RL-ER06
2734ZB	RL-TP05	1	1		1	RL-TP05	RL-ER06
2734ZC	RL-TP05	1	1		1	RL-TP05	RL-ER06
2734ZD	RL-TP05		1			RL-TP05	RL-ER06
2734ZF	RL-TP05	1	1			RL-TP05	RL-ER06
2734ZG	RL-TP05					RL-TP05	RL-ER06
2734ZH	RL-TP05	1	1		1	RL-TP05	RL-ER06
2734ZJ	RL-TP05	1				RL-TP05	RL-ER06
2734ZK	RL-TP05					RL-TP05	RL-ER06
2734ZL	RL-TP05					RL-TP05	RL-ER06
2735Z	RL-TP05					RL-TP05	RL-ER06
2736Z	RL-TP05					RL-TP05	RL-ER06
2736ZA	RL-TP05					RL-TP05	RL-ER06

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

	-	(00	···				
A 4				fe Cycle Pha		1	
Asset	Program	Pre-	Conceptual	Execute	O&M	Close Out	
	Planning	Conceptual				Post Ops	D&D
2736ZB	RL-TP05					RL-TP05	RL-ER06
2736ZC	RL-TP05					RL-TP05	RL-ER06
2736ZD	RL-TP05					RL-TP05	RL-ER06
2902Z	RL-TP05					RL-TP05	RL-ER06
2904ZA	RL-TP05					RL-TP05	RL-ER06
2904ZB	RL-TP05					RL-TP05	RL-ER06
291Z 291Z1	RL-TP05				-	RL-TP05	RL-ER06
MO014	RL-TP05 RL-I13				RL-I131	RL-TP05 RL-TP13	RL-ER06 RL-TP13
					RL-TP05		
MO428	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO429	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO432	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO834	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO839	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
U Plant	RL-ER02						RL-ER06 RL-ER07
222U	RL-ER02				1	RL-TP10	RL-ER06
2714U	RL-ER02				1	RL-TP03	RL-ER06
T-Plant Canyon Facility	RL-WM04				RL-WM04	RL-ER05	RL-ER06
, , ,						RL-TP10	RL-ER07
211T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
211T52	RL-WM04				RL-WM04	RL-TP10	RL-ER06
214T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
222T	RL-WM04					RL-TP10	RL-ER06
221T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
221TA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
221TB	RL-WM04				RL-WM04	RL-TP10	RL-ER06
225WA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
231T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2715T 2716T	RL-WM04 RL-WM04				RL-WM04 RL-WM04	RL-TP10 RL-TP10	RL-ER06 RL-ER06
27101 271T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
277T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
291T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
292T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2706T Facility	RL-WM04				RL-WM04	RL-ER05	RL-ER06
27.001.1 domity	112 111101				1.2	RL-TP10	RL-ER07
2706TA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2706TB	RL-WM04				RL-WM04	RL-TP10	RL-ER06
M-91 Facility	RL-WM04	RL-WM04		RL-WM04	RL-WM04	RL-TP10	RL-ER06
Low-Level Mixed Waste Stabilization Contract	RL-WM04	RL-WM04		RL-WM04	RL-WM04	RL-TP10	RL-ER06
Thermal Treatment Contract	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
WRAP	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2336W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2740W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2620W	RL-WM04	ļ			RL-WM04	RL-TP10	RL-ER06
218W5252	RL-WM04				RL-WM04	RL-TP10	RL-ER06
218W5252A	RL-WM04				RL-WM04	RL-TP10	RL-ER06
Tank Farm System					RL-TW01 RL-TW02 RL-TW03 RL-TW04	RL-TW03	RL-TW04
Solid Waste Storage	RL-WM03				RL-1W04 RL-WM03	RL-TP10 RL-WM03	RL-ER06
2727W	RL-WM03				RL-WM03	RL-TP10	RL-ER06
	RL-TP10	1			1	RL-ER05	RL-ER06
Hransuranic Storage and Assav	IIZE-IE IU	1					
Transuranic Storage and Assay Facility	IKL-1F10					RL-TP10	RL-ER07

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

			Lif	e Cycle Pha	ise			
Asset	Program	Pre-	Conceptual	Execute	O&M	Close Out		
	Planning	Conceptual	•			Post Ops	D&D	
222-S Laboratory	RL-WM06				RL-WM06	RL-ER05	RL-ER06	
						RL-TP10	RL-ER07	
207SL	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
212S/213S	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
219S	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
222S 222SA	RL-WM06 RL-WM06				RL-WM06 RL-WM06	RL-TP10 RL-TP10	RL-ER06 RL-ER06	
222SB	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
222SC	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
222SD	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
222SE	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
222SF	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
222SG	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
222SH	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
225WB	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
2716S	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
2734S	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
272S WSCF	RL-WM06				RL-WM06	RL-TP10 RL-ER06	RL-ER06	
VVOCF	RL-WM06				RL-WM06	KL-EKU6	RL-ER06	
6266	RL-WM06				RL-WM06	RL-TP10	RL-ER07 RL-ER06	
6266B	RL-WM06	1			RL-WM06	RL-TP10	RL-ER06	
6266A	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
6267	RL-WM06				RL-WM06	RL-TP10	RL-ER06	
300 Area Fuel Supply System	RL-TP04				TKE TTIMES	RL-ER05	RL-ER06	
осотношт негонрргу сустени	1.2					RL-TP04	RL-ER07	
303B	RL-TP04					RL-TP04	RL-ER06	
303A	RL-TP04					RL-TP04	RL-ER06	
303E	RL-TP04					RL-TP04	RL-ER06	
303F	RL-TP04					RL-TP04	RL-ER06	
303G	RL-TP04					RL-TP04	RL-ER06	
303K	RL-TP04					RL-TP04	RL-ER06	
303M	RL-TP04					RL-TP04	RL-ER06	
304/304A 313	RL-TP04 RL-TP04				4	RL-TP04 RL-TP04	RL-ER06	
333	RL-TP04 RL-TP04					RL-TP04	RL-ER06 RL-ER06	
334	RL-TP04				†	RL-TP04	RL-ER06	
334A	RL-TP04					RL-TP04	RL-ER06	
3707G	RL-TP04				†	RL-TP04	RL-ER06	
3712	RL-TP04					RL-TP04	RL-ER06	
3716	RL-TP04					RL-TP04	RL-ER06	
MO052	RL-TP04				RL-TP04	RL-TP13	RL-ER06	
	RL-TP13							
NE Legacy Facilities	RL-TP11					RL-TP11	RL-ER05	
335 Sodium Test Facility	RL-TP11					RL-TP11	RL-ER05	
0075	DI ==::					RL-TP14	D. 55.5	
337B	RL-TP11					RL-TP11	RL-ER05	
2740M	DI TO44				 	RL-TP14	DI EDOE	
3718M	RL-TP11					RL-TP11	RL-ER05	
224 Engility	DI TDOO				+	RL-TP14	DI EDOS	
324 Facility	RL-TP08					RL-ER05	RL-ER06	
324	RL-TP08				1	RL-TP08 RL-TP08	RL-ER07 RL-ER06	
324 324A	RL-TP08				1	RL-TP08	RL-ER06	
324BA	RL-17-06				RL-I111	RL-1111	RL-1111	
0 <u>_</u> 1 <u>_</u> 1 <u>_</u> 1	RL-TP08				```			
324D	RL-TP08				1	RL-TP08	RL-ER06	
3718E	RL-TP08				1	RL-TP08	RL-ER06	
3718G	RL-TP08				RL-TP08	RL-TP08	RL-ER06	
325 Facility	RL-ST01				RL-ST01	RL-ER05	RL-ER06	
•		<u> </u>				RL-TP14	RL-ER07	
325BA	RL-I111				RL-I111	RL-I111	RL-I111	
	RL-TP14							
326 Facility	RL-ST01				RL-ST01	RL-ER05	RL-ER06	
						RL-TP14	RL-ER07	

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

	Life Cycle Phase							
Asset	Program	Pre-	Conceptual	Execute	O&M	Clos	e Out	
	Planning	Conceptual				Post Ops	D&D	
327 Facility	RL-TP08					RL-ER05	RL-ER06	
<u> </u>						RL-TP08	RL-ER07	
327	RL-TP08					RL-ER05	RL-ER06	
						RL-TP08	RL-ER07	
3723	RL-TP08					RL-TP08	RL-ER06	
329 Facility	RL-ST01				RL-ST01	RL-ER05	RL-ER06	
	D. 0701				D. 0701	RL-TP14	RL-ER07	
306W	RL-ST01				RL-ST01	RL-ER05	RL-ER06	
Mice Dedictories Facilities	DI CTO1				DI CTO1	RL-TP14	RL-ER07	
Misc Radiological Facilities	RL-ST01				RL-ST01	RL-ER05	RL-ER06	
07405	RL-TP14				DI CTO4	RL-TP14	RL-ER07	
2718E	RL-ST01				RL-ST01	RL-TP10	RL-ER06	
303C 305B	RL-ST01				RL-ST01 RL-ST01	RL-TP14 RL-TP14	RL-ER06	
306E	RL-ST01 RL-OT01				Cogema	RL-TP14	RL-ER03 RL-TP13	
314	RL-ST01				Cogema	RL-TP14	RL-FF13	
314B	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
318	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
310	INC OTOT				IKE OTOT	111114	RL-ER07	
320	RL-ST01				RL-ST01	RL-ER05	RL-ER06	
320	INC OTOT				IKE OTOT	RL-TP14	RL-ER07	
321 Facility	_					RL-TP14	RL-ER06	
321					+	RL-TP14	RL-ER06	
321B					1	RL-TP14	RL-ER06	
321C						RL-TP14	RL-ER06	
321D						RL-TP14	RL-ER06	
323	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
3706	1.20.0.				1.20.0.	RL-TP14	RL-ER06	
3706A						RL-TP14	RL-ER06	
3708	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
3720	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
3730	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
3731A	RL-ST01					RL-TP14	RL-ER03	
3745	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
3745B	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
3746A						RL-TP14	RL-ER06	
377						RL-TP14	RL-ER06	
331 Facility	RL-ST01				RL-ST01	RL-ER05	RL-ER06	
						RL-TP14	RL-ER07	
331	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
331B	RL-ST01				DI 070	RL-TP14	RL-ER06	
331C	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
331D	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
331 Dog Run	RL-ST01	1			DI CTO4	RL-TP14	RL-ER06	
331G	RL-ST01	+	 		RL-ST01	RL-TP14	RL-ER06	
331H General Purpose Offices	RL-ST01				RL-ST01	RL-TP14	RL-ER06	
General Purpose Offices	RL-I13				RL-I13	RL-TP13	RL-TP13	
General Purpose Warehouses	RL-TP13				RL-TP13	RL-TP13	RL-TP13	
General Purpose warenouses	RL-I149				RL-I149	KL-1713	KL-1713	
212P	RL-TP13				RL-TP13	DI TD40	RL-TP10	
Environmental Support Facilities	RL-I149				RL-I149	RL-TP10	RL-TP10	
Environmental Support Facilities	RL-ST01				RL-ST01	RL-TP13	INC-1P13	
242B	+				RL-TP13	DI TD10	1	
242BL	+		 		RL-TP10	RL-TP10 RL-TP10	+	
242BL 6652H	RL-ST01				RL-TP10 RL-ST01	RL-TP10	RL-ER02	

^{*} RL PBS Identifier Index:

Cogema - Cogema

RL-ER02 - 200 Area Source Remedial Action RL-ER03 - 300 Area Source Remedial Action RL-ER05 - Surveillance & Maintenance

RL-ER06 - Decontamination & Decommissioning

RL-ER07 - Long Term Surveillance & Maintenance

RL-ER10 - ER Program Management and Support

RL-I111 - Steam Utilities

RL-I13 - General Purpose Facilities

RL-I131 - Government Owned Offices

RL-I149 - Asset Management

RL-OT01 - Mission Support - Other Multi-Year Program

RL-ST01 - PNNL Waste Management

RL-TP01 - B-Plant

RL-TP02 - WESF

RL-TP03 - PUREX

RL-TP04 - 300 Area/SNM

RL-TP05 - PFP

RL-TP08 - 324/327 Facility Transition

RL-TP10 - Accelerated Deactivation

RL-TP11 - Advanced Reactors Transition

RL-TP13 - Landlord

RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization

RL-TW01 - Tank Waste Characterization

RL-TW02 - Tank Safety Issue Resolution

RL-TW03 - Tank Farm Operations

RL-TW04 - Retrieval

RL-WM03 - Solid Waste Storage & Disposal

RL-WM04 - Solid Waste Treatment

RL-WM05 - Liquid Effluents

RL-WM06 - Analytical Services

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites

	Life Cycle		ife Cycle Pha	ise
Waste Site	Status	S&M	Post Ops	Remedial Action
CP Soil Site Operable Units	Active		RL-ER02 RL-ER05	RL-ER02 RL-ER07
200-E-100, Steam Trap 2P-Yard-MSS-TRP-019, Miscellaneous Stream #571	Active	RL-TP01		
200-E-16, B Plant Waste Concentrator, Low Level Waste Concentrator, Single-Stage Thermal Siphon Reboiler	Active	RL-TP01	RL-ER02	RL-ER02
200-E-25, 272-BB French Drain, Insulation Shop French Drain, Miscellaneous Stream #659	Active	RL-TP01		
200-E-28, 221-B Building Steam Condensate Release	Active	RL-TP01	RL-ER02	RL-ER02
200-E-30, 291-B Sand Filter, 221-B Stack Sand Filter	Active	RL-TP01	RL-ER02	RL-ER02
200-E-32, 226-B Pad East Side 90-Day Waste Accumulation Area	Active	RL-TP01		
200-E-88, B Plant Yard Steam Condensate, Miscellaneous Stream #3	Active	RL-TP01		
200-E-89, B Plant Yard Steam Condensate, Miscellaneous Stream #4	Active	RL-TP01		
200-E-90, B Plant Yard Steam Condensate, Miscellaneous Stream #5	Active	RL-TP01		
200-E-91, B Plant Yard Steam Condensate, Miscellaneous Stream #6	Active	RL-TP01		
200-E-92, B Plant Yard Steam Condensate, Miscellaneous Stream #7	Active	RL-TP01		
200-E-93, B Plant Yard Steam Condensate, Miscellaneous Stream #8	Active	RL-TP01		
200-E-94, B Plant Yard Steam Condensate, Miscellaneous Stream #9	Active	RL-TP01		
200-E-95, 222B Steam Condensate, Miscellaneous Stream #308	Active	RL-TP01		
200-E-97, 212B Building Steam Condensate, Miscellaneous Stream #470	Active	RL-TP01		
200-E-98, 271B Building Ice Machine Overflow, Miscellaneous Stream #490	Active	RL-TP01		
200-E-99, Steam Trap 2P-Yard-MSS-TRP-017, Miscellaneous Stream #570	Active	RL-TP01		
217-B NU, 217-B Neutralization Unit, Elementary Neutralization Unit/217-B Building	Active	RL-TP01	RL-ER02	RL-ER02
221-B NANU, 221-B Nitric Acid Neutralization Unit, 221-B Elemenary Neutralization Unit for Nitric Acid	Active	RL-TP01	RL-ER02	RL-ER02
221-B SDT, 221-B Settle and Decant Tank, B Plant Settle and Decant Tank, 221-B-8-1 and 221-B-8-2, 221-B-TK-8-1 and 221-B-TK-8-2	Active	RL-TP01	RL-ER02	RL-ER02
221-B SHNU, 221-B Sodium Hydroxide Neutralization Unit, 221-B Elementary Neutralization Unit for Sodium Hydroxide	Active	RL-TP01	RL-ER02	RL-ER02
221-B-26-1, 221-B-TK-26-1, B Plant Radioactive Organic Waste Solvent	Active	RL-TP01	RL-ER02	RL-ER02
221-B-27-2, 221-B-TK-27-2, 221-B Tank 27-2	Active	RL-TP01	RL-ER02	RL-ER02
221-B-27-3, 221-B-TK-27-3, B Plant Radioactive Organic Waste Solvent Tank 2	Active	RL-TP01	RL-ER02	RL-ER02

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Life Cycle Phas					
Wests Site	Ctatus				
Waste Site	Status	S&M	Post Ops	Remedial Action	
221-B-27-4, 221-B-TK-27-4, B Plant Radioactive Organic Waste Solvent Tank 3	Active	RL-TP01	RL-ER02	RL-ER02	
221-B-28-3, 221-B-TK-28-3, B Plant Radioactive Organic Waste Solvent Tank 4	Active	RL-TP01	RL-ER02	RL-ER02	
221-B-28-4, 221-B-TK-28-4, B Plant Radioactive Organic Waste Solvent Tank 5	Active	RL-TP01	RL-ER02	RL-ER02	
221-B-29-4, 221-B-TK-29-4, B Plant Radioactive Organic Waste Storage Tank #7, 221-B TK-29-4	Active	RL-TP01	RL-ER02	RL-ER02	
221-B-30-3, 221-B-TK-30-3, B Plant Radioactive Organic Waste Solvent Tank #6, 221-B TK-30-3	Active	RL-TP01	RL-ER02	RL-ER02	
221-B-WS-1, B Plant Storage	Active	RL-TP01	RL-ER02	RL-ER02	
221-B-WS-2, B Plant Waste Piles	Active	RL-TP01	RL-ER02	RL-ER02	
226-B HWSA, 226-B Hazardous Waste Storage Area	Active	RL-TP01	RL-ER02	RL-ER02	
B PLANT FILTER, B Plant Filter, 221-B-TK-34-2 Decant Filter, Filter F-34-4	Active	RL-TP01	RL-ER02	RL-ER02	
242-B, 242-B Evaporator	Active	RL-TP01	RL-ER02	RL-ER02	
207-B, B Plant Retention Basin, 207-B Retention Basin	Active	RL-TP01	RL-ER02	RL-ER02	
216-A-42, 207-AA Retention Basin, 216-A-42 Trench, 216-A-42 Retention Basin, 207-A Retention Basin	Active	RL-TP01	RL-ER02	RL-ER02	
216-B-59, 216-B-58 Trench, 216-B-58 Ditch	Active	RL-TP03	RL-ER02	RL-ER02	
216-B-59B, 216-B-59 Retention Basin	Active	RL-TP03	RL-ER02	RL-ER02	
UPR-200-E-32, UN-200-E-32, Coil Leak from 221-B	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-66, 216-A-42 Basin Contamination Release, UN-216-E-66, UN-200-E-66	Active	RL-TP03	RL-ER02	RL-ER02	
200-W-58, Z-Plant Diversion Box #1	Active	RL-TP05	RL-ER02	RL-ER02	
200-W-59, Z-Plant Diversion Box #2	Active	RL-TP05	RL-ER02	RL-ER02	
241-Z, 241-Z Treatment and Storage Tanks, 241-Z Tank Farm, 241-Z Treatment and Storage System, 241-Z-D-4, 241-Z-D-5, 241-Z-D-7, 241-Z-D-8, 241-Z Sump, 241-Z Tank Pit	Active	RL-TP05	RL-ER02	RL-ER02	
UPR-200-E-1, Waste Line Failure on South Side of 221-B	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-117, Contaminated Liquid Spill, UN-200-E-117	Active	RL-TP01	RL-TW03	RL-ER02	
UPR-200-E-3, Line leak from 221-B to 241-BX-154, UN-200-E-3	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-41, UN-200-E-41 Soil Contamination in the Vicinity of R-13 Stairwell (221-B), UPR-200-E-85	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-44, UN-200-E-44, Waste Line Leak South of 221-B	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-45, UN-200-E-45, Contamination Spread from the 241-B-154 Diversion Box	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-80, UN-216-E-8, 221-B R-3 Line Break, R-3 Radiation Zone, UN-200-E-80	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-85, Line Leak at 221-B Stairwell R-13, UN-216-E-13,	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-41, UN-200-E-85, UN-200-E-41 UPR-200-E-96, Ground Contamination SE of PUREX, UN-216-E-24,	Active	RL-TP03	RL-ER02	RL-ER02	
UN-200-E-96 UPR-200-W-79, Contamination Spread at 241-Z, UN-200-W-79	Active	RL-TP05	RL-ER02	RL-ER02	
216-A-15, Miscellaneous Stream #461	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-11 French Drain, Miscellaneous Stream #465	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-12, Miscellaneous Stream #463	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-13, 216-A-13 French Drain, Miscellaneous Stream #460 216-A-14, French Drain - Vacuum Cleaner Filter Pit, Miscellaneous Stream #462	Active Active	RL-TP03	RL-ER02 RL-ER02	RL-ER02 RL-ER02	
#402 216-A-21	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-21 216-A-22, 216-A-22 French Drain, 216-A-22 Crib	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-26, 216-A-26 French Drain, 216-A-26B, Miscellaneous Stream #464	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-26A, 216-A-25 Crib, 216-A-26 French Drain, 291-A French Drain	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-32	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-33, 216-A-33 Dry Well, 216-A-26B	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-35 French Drain, 216-A-35 Dry Well	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-38-1, 216-A-38	Rejected(Pro posed)	RL-TP03			
216-A-4, 216-A-4 Cavern	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-41	Active	RL-TP01	RL-ER02	RL-ER02	
216-B-13, 216-B-13 French Drain, 291-B Crib, 216-B-B, 216-B-13 Crib	Active	RL-TP03	RL-ER02	RL-ER02	
216-B-4, 216-B-4 French Drain, 216-B-4 Dry Well 216-B-61, 216-B-61 Crib	Active Rejected(Pro posed)	RL-TP01 RL-TP01	RL-ER02 RL-TP10	RL-ER02	
216-Z-13, 234-5 Dry Well #1, 216-Z-13 Dry Well 216-Z-14, 234-5 Dry Well #2, 216-Z-14 Dry Well	Active Active	RL-TP05 RL-TP05	RL-ER02 RL-ER02	RL-ER02 RL-ER02	

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

,	т ,	Life Cycle Phase			
Wasta Sita	Status		-		
Waste Site	Status	S&M	Post Ops	Remedial Action	
216-Z-15, 234-5 Dry Well #3, 216-Z-15 Dry Well	Active	RL-TP05	RL-ER02	RL-ER02	
200-E-33, PUREX 214-A 90-Day Waste Accumulation Areas 200-E-34, PUREX High Level Waste Room 90-Day Waste Accumulation	Active Active	RL-TP03 RL-TP03	_		
Area	Active	IKL-1F03			
200-E-39, PUREX Room 52, Hood 32 90-Day Waste Accumulation Area	Active	RL-TP03			
200-E-40, PUREX Sample Gallery 90Day Waste Accumulation Area	Active	RL-TP03			
200-E-42, UN-216-E-34, PUREX Stack Release	Active	RL-TP03			
200-E-44, PUREX Railroad Cut	Active	RL-TP03	RL-TP10	RL-ER02	
200-E-54, Liquid Release to the Environment from PUREX Deep Filter Bed #1	Active	RL-TP03	RL-ER02	RL-ER02	
202-A HWSA, 202-A Hazardous Waste Storage Area	Active	RL-TP03	RL-ER02	RL-ER02	
202-A NU, 202-A Neutralization Unit, Elementary Neutralization Unit/202-A Building, PUREX	Active	RL-TP03	RL-ER02	RL-ER02	
202-A-E-F11, 202-A-TK-E-F11, PUREX Tank E-F11	Active	RL-TP03	RL-ER02	RL-ER02	
202-A-E5, 202-A-TK-E5, PUREX Tank E5	Active	RL-TP03	RL-ER02	RL-ER02	
202-A-F15, 202-A-TK-F15, PUREX Tank F-15	Active	RL-TP03	RL-ER02	RL-ER02	
202-A-F16, 202-A-TK-F16, PUREX Tank F16 202-A-F18, 202-A-TK-F18, PUREX Tank F18	Active Active	RL-TP03 RL-TP03	RL-ER02 RL-ER02	RL-ER02 RL-ER02	
202-A-176, 202-A-176-16, FOREX Tank T76	Active	RL-TP03	RL-ER02	RL-ER02	
202-A-U3, 202-A-TK-U3, PUREX Tank U3	Active	RL-TP03	RL-ER02	RL-ER02	
202-A-U4, 202-A-TK-U4, PUREX Tank U4	Active	RL-TP03	RL-ER02	RL-ER02	
202-A-WS-1, PUREX Waste Piles	Active	RL-TP03	RL-ER02	RL-ER02	
211-A NU, 211-A Neutralization Unit, Elementary Neutralization Unit/211-A Building, PUREX	Active	RL-TP03	RL-ER02	RL-ER02	
218-E-14, PUREX Tunnel No. 1	Active	RL-TP03	RL-TP10	RL-ER02	
218-E-15, PUREX Tunnel No. 2	Active	RL-TP03	RL-ER02	RL-ER02	
216-Z-9, 216-Z-9 Cavern, 234-5 Recuplex Cavern, 216-Z-10, 216-Z-9 Crib, 216-Z-9 Trench	Active	RL-TP05	RL-ER02	RL-ER02	
241-Z-361, 241-Z-361 Settling Tank	Active	RL-TP05	RL-ER02	RL-ER02	
UPR-200-W-103, 216-Z-18 Line Break, UN-216-W-13, UN-200-W-103	Active	RL-TP05	RL-ER02	RL-ER02	
216-A-28, 216-A-28 French Drain, 216-A-28 Crib	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-36A, 216-A-36 Crib 216-A-5, 216-A-5 Cavern	Active Active	RL-TP03 RL-TP03	RL-ER02 RL-ER02	RL-ER02 RL-ER02	
216-B-60, 216-B-60 Crib	Active	RL-TP01	RL-ER02	RL-ER02	
270-E-1, 270-E CNT, 270-E Condensate Neutralization Tank, 216-ER-1	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-39, Release from 216-A-36B Crib Sampler, UN-200-E-39	Active	RL-TP03	RL-ER02	RL-ER02	
UPR-200-E-40, Release from the 216-A-36B Crib Sampler, UN-200-E-40	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-2, 216-A-2 Cavern	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-31	Active	RL-TP03	RL-ER02	RL-ER02	
216-A-45, 216-A-45 Crib 207-Z, 207-Z Retention Basin, 241-Z Retention Basin, 241-Z-RB	Active Active	RL-TP03 RL-TP05	RL-ER02 RL-ER02	RL-ER02 RL-ER02	
216-B-64, 216-B-64 Retention Basin, 241-2-Retention Basin, 241-2-RB	Active	RL-TP01	RL-ER02	RL-ER02	
200-E-6, Septic Tank, Sanitary Sewer Repair and Replacement 2607-E4	Active	RL-TP01	RL-ER02	RL-ER02	
2607-E3	Active	RL-TP01	RL-ER02	RL-ER02	
2607-E4	Active	RL-TP01	RL-ER02	RL-ER02	
2607-E9	Active	RL-TP01	RL-ER02	RL-ER02	
2607-EA, 2607-EA Septic Tank and Drywell	Active	RL-TP03	RL-ER02	RL-ER02	
2607-EE, 2607-EL 2607-W8	Active Active	RL-TP03 RL-TP03	RL-ER02 RL-TP10	RL-ER02 RL-ER02	
2607-WA	Active	RL-TP05	RL-TP10 RL-ER02	RL-ER02	
2607-Z	Active	RL-TP05	RL-ER02	RL-ER02	
2607-Z1, Septic Tank and Drainfield	Active	RL-TP05	RL-ER02	RL-ER02	
2607-Z8	Active	RL-TP05	RL-ER02	RL-ER02	
TFS OF 218-E-4, Tile Field South of 218-E-4	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-35, Buried Contamianted Pipe, UN-218-E-1, 218-E-13	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-95, UN-216-E-23, UN-200-E-95, Ground Contamination Around RR Spur Between 218-E-2A and 218-E-2	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-7, UN-200-E-7, Cave-In Near 219-B-9 (241-B-361 Crib)	Active	RL-TP01	RL-ER02	RL-ER02	
UPR-200-E-103, UN-200-E-103, BCS Line Leak South of R-17 at 221-B UPR-200-E-112, UN-200-E-112, Contaminated Railroad Track from B-Plant	Active Active	RL-TP01 RL-TP01	RL-ER02 RL-ER02	RL-ER02 RL-ER02	
to the Burial Ground	A = 15	DI TOCC	DI EDOS	DI EDGG	
UPR-200-E-142, 202-A Diesel Fuel Spill, UN-200-E-142 UPR-200-E-2, UN-200-E-2, Spotty Contamination Around the B and T Plant	Active Active	RL-TP03 RL-TP01	RL-ER02 RL-ER02	RL-ER02 RL-ER02	
Stacks	A -45:	DI TROC	DI EDOC	DI EDGG	
UPR-200-E-28, Contamination Release Inside the PUREX Exclusion Area, UN-200-E-28	Active	RL-TP03	RL-ER02	RL-ER02	

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

		Life Cycle Phase			
Waste Site	Status	S&M	Post Ops	Remedial Action	
UPR-200-E-52, UN-200-E-52, Contamination Spread Outside the North Side of 221-B	Active	RL-TP01	RL-ER02	RL-ER02	
	Active	RL-TP01	RL-TP02	RL-ER02	
	Active	RL-TP01	RL-TP02	RL-ER02	
	Active	RL-TP01	RL-ER02	RL-ER02	
UN-200-E-69	Active	KL-1FU1	KL-EKUZ	KL-EKUZ	
	A -4:	DI TDO4	DI EDOO	DI EDOO	
	Active	RL-TP01	RL-ER02	RL-ER02	
Filter, UN-216-E-90, Radioactive Spill Near 221-B Building, UN-200-E-90		D. 7000	51 5500	D. 5000	
	Active	RL-TP03	RL-ER02	RL-ER02	
UN-200-E-97					
	Active	RL-TP05	RL-ER02	RL-ER02	
UPR-200-W-23, Waste Box Fire at 234-5Z, UN-200-W-23	Active	RL-TP05	RL-ER02	RL-ER02	
	Active	RL-TP05	RL-ER02	RL-ER02	
	Active	RL-TP05	RL-ER02	RL-ER02	
	Active	RL-TP05	RL-ER02	RL-ER02	
UN-216-N-90, UN-200-W-90					
	Active	RL-TP05	RL-ER02	RL-ER02	
UN-216-W-91, UN-200-W-91	A ati a	DI TOO	DI EDOO	DI EDOC	
	Active	RL-TP05	RL-ER02	RL-ER02	
	Active	RL-TP05	RL-ER02	RL-ER02	
PFP	Active		RL-ER05	RL-ER06	
,		1	RL-TP05	RL-ER07	
			11.2 11.00	RL-TP05	
CCOO Cail Cita Oparable Unita	A atius	+	DI EDO2		
S600 Soil Site Operable Units	Active		RL-ER03	RL-ER03	
			RL-ER05	RL-ER07	
	Closed Out	RL-TP04			
300-109, 333 Building Stormwater Runoff, Miscellaneous Stream #455	Active	RL-TP04	RL-TP04	RL-ER03	
	Active	RL-TP04	RL-TP04	RL-ER03	
	Rejected	RL-TP04	1112 11 01	IXE EIXOO	
	Rejected	RL-TP04	+	+	
			+	-	
,	Rejected	RL-TP04			
Injection Well #27					
300-134, 3706 Building Steam Condensate, Miscellaneous Stream #362	Rejected	RL-TP04			
	Rejected	RL-TP04			
300-136, 3706 Building Steam Condensate, Miscellaneous Stream #366	Rejected	RL-TP04			
	Rejected	RL-TP04			
	Rejected	RL-TP04			
	Rejected	RL-TP04	+		
			+	-	
	Rejected	RL-TP04		1	
	Rejected	RL-TP04			
Injection Well #29					
300-142, 3706 Building Steam Condensate, Miscellaneous Stream #369,	Rejected	RL-TP04			
Injection Well #30	•				
	Rejected	RL-TP04			
	Rejected	RL-TP04	+		
			+		
	Rejected	RL-TP04	1	1	
Injection Well #25	Delegat	DI TOCA	+	+	
	Rejected	RL-TP04			
	Rejected	RL-TP04		1	
300-148, 3706 Building Stormwater Runoff, Miscellaneous Stream #359,	Rejected	RL-TP04			
Injection Well #22		1	1		
	Rejected	RL-TP04	1	1	
Injection Well #28		1	1		
		 	RL-ER03	DI EDAS	
	Λ otivo		バストーロスひろ	RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements	Active	RL-TP04			
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351	Rejected	RL-TP04			
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437	Rejected Rejected	RL-TP04 RL-TP04			
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal	Rejected	RL-TP04	RL-ER03	RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal	Rejected Rejected Active	RL-TP04 RL-TP04	RL-ER03	RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal 300-21, 333 Building Underground Limestone Tank	Rejected Rejected Active Rejected	RL-TP04 RL-TP04 RL-TP04	RL-ER03 RL-TP04		
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal 300-21, 333 Building Underground Limestone Tank 300-219, 300 Area Waste Acid Transfer Line	Rejected Rejected Active Rejected Active	RL-TP04 RL-TP04 RL-TP04	RL-ER03 RL-TP04 RL-ER03	RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal 300-21, 333 Building Underground Limestone Tank 300-219, 300 Area Waste Acid Transfer Line 300-22, 309 Building B-Cell Cleanout Leak	Rejected Rejected Active Rejected Active Active	RL-TP04 RL-TP04 RL-TP04 RL-TP04	RL-ER03 RL-TP04 RL-ER03 RL-ER03	RL-ER03 RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal 300-21, 333 Building Underground Limestone Tank 300-219, 300 Area Waste Acid Transfer Line 300-22, 309 Building B-Cell Cleanout Leak 300-224, WATS and U-Bearing Piping Trench	Rejected Rejected Active Rejected Active Active Active Active	RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04	RL-ER03 RL-TP04 RL-ER03	RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal 300-21, 333 Building Underground Limestone Tank 300-219, 300 Area Waste Acid Transfer Line 300-22, 309 Building B-Cell Cleanout Leak 300-224, WATS and U-Bearing Piping Trench 300-23, PRTR Diesel Storage Tank, 309-1 UST	Rejected Rejected Active Rejected Active Active Active Active Closed Out	RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04	RL-ER03 RL-TP04 RL-ER03 RL-ER03 RL-ER03	RL-ER03 RL-ER03 RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal 300-21, 333 Building Underground Limestone Tank 300-219, 300 Area Waste Acid Transfer Line 300-22, 309 Building B-Cell Cleanout Leak 300-224, WATS and U-Bearing Piping Trench 300-23, PRTR Diesel Storage Tank, 309-1 UST 300-25, 324 Building	Rejected Rejected Active Rejected Active Active Active Active Closed Out Active	RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP08	RL-ER03 RL-TP04 RL-ER03 RL-ER03 RL-ER03	RL-ER03 RL-ER03 RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal 300-21, 333 Building Underground Limestone Tank 300-219, 300 Area Waste Acid Transfer Line 300-22, 309 Building B-Cell Cleanout Leak 300-224, WATS and U-Bearing Piping Trench 300-23, PRTR Diesel Storage Tank, 309-1 UST 300-25, 324 Building	Rejected Rejected Active Rejected Active Active Active Active Closed Out	RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04	RL-ER03 RL-TP04 RL-ER03 RL-ER03 RL-ER03	RL-ER03 RL-ER03 RL-ER03	
300-16, Solid Waste Near 314 Building, Utility Pole Replacements 300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351 300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437 300-2, Contaminated Light Water Disposal 300-21, 333 Building Underground Limestone Tank 300-219, 300 Area Waste Acid Transfer Line 300-22, 309 Building B-Cell Cleanout Leak 300-224, WATS and U-Bearing Piping Trench 300-23, PRTR Diesel Storage Tank, 309-1 UST 300-25, 324 Building 300-251, Unplanned Release Outside the 303-K Building	Rejected Rejected Active Rejected Active Active Active Active Closed Out Active	RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP04 RL-TP08	RL-ER03 RL-TP04 RL-ER03 RL-ER03 RL-ER03	RL-ER03 RL-ER03 RL-ER03	

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

		Life Cycle Phas		se	
Waste Site	Status	S&M	Post Ops	Remedial Action	
300-32, 333 Building, 333 N Fuels Manufacturing Building, New Fuel Cladding Facility	Active	RL-TP04	RL-ER03	RL-ER03	
300-35, 3706A Fuel Storage Tank	Closed Out	RL-TP04			
300-39, 309 Building Ex-vessel Irradiated Fuel Storage Basin, 309 Building Irradiated Fuel Storage Basin, 309 Fuel Storage Basin	Active	RL-TP04	RL-ER03	RL-ER03	
300-41, 306E Neutralization Tank, Underground Lime Tank and Valve Pit	Active	RL-TP04	RL-ER03	RL-ER03	
300-42, 306E Fabrication and Testing Laboratory	Rejected	112 11 0 1	RL-TP14	RL-ER03	
300-43, Unplanned Release Outside the 304 Building	Active	RL-TP04	RL-ER03	RL-ER03	
300-46, Soil Contamination Surrounding 3706 Building	Active	RL-TP04	RL-ER03	RL-ER03	
300-47, Residual Hazardous Substances Northwest of 3708 Building	Rejected		RL-TP14		
300-48, Thorium Oxide and Fuel Fabrication Chemical Wastes Around 3732 Building		RL-TP04	RL-ER03	RL-ER03	
300-53, Unplanned Release East Side of 303-G	Closed Out	RL-TP04		RL-ER03	
300-55, 309 Rupture Loop Holding Tank, Rupture Loop Hold-up Tank, RLT-2, 307-D	Rejected	RL-TP04			
300-57, 335 Building 90-Day Waste Accumulation Area	Closed Out	RL-TP04	RL-TP04		
300-60, 303A Building Steam Condensate, Miscellaneous Stream #339, F.D. #26	Rejected	RL-TP04	TKE TI OT		
300-61, 303B Building Steam Condensate, Miscellaneous Stream #444,	Rejected	RL-TP04			
Injection Well #12 300-64, 303F Building Steam Condensate, Miscellaneous Stream #352	Rejected	RL-TP04	+		
300-04, 303F Building Steam Condensate, Miscellaneous Stream #352 300-75, 309 Building Stormwater Runoff and Chiller Water, Miscellaneous	Rejected	RL-TP04	+		
Stream #445, Injection Well #20	•				
300-78, 300 Area Main Header Steam Trap (Southwest Corner of 313 Building), Miscellaneous Stream #331	Rejected	RL-TP04			
300-79, 313 Building Stormwater Runoff, Miscellaneous Stream #457	Rejected		RL-TP04		
300-81, 321 Building Steam Condensate, Miscellaneous Stream #370	Rejected	RL-TP04			
300-82, 321 Building Steam Condensate, Miscellaneous Stream #371	Rejected	RL-TP04			
300-83, 321 Building Steam Condensate, Miscellaneous Stream #372	Rejected	RL-TP04			
300-84, 321 Building Vent Valve on Water Line, Miscellaneous Stream #348		RL-TP04			
300-92, 321 Building Stormwater Runoff, Miscellaneous Stream #680	Rejected	RL-TP04	D. TD.		
300-93, 324 Building Stormwater Runoff, Miscellaneous Stream #354	Rejected		RL-TP08		
300-94, 324 Building Stormwater Runoff, Miscellaneous Stream #711, 300-234	Rejected		RL-TP08		
300-95, 324/336 Buildings Stormwater Runoff and Steam Condensate; Miscellaneous Stream #425	Rejected	RL-TP04			
303-K CWS, 303-K Contaminated Waste Storage	Active	RL-TP04	RL-ER03	RL-ER03	
303-M SA, 303-M Storage Area, 303-M Building Storage Area	Active	RL-TP04	RL-ER03	RL-ER03	
303-M UOF, 303-M Uranium Oxide Facility	Active	RL-TP04	RL-ER03	RL-ER03	
304 CF, 304 Concretion Facility	Closed Out	RL-TP04			
304 SA, 304 Storage Area, 304 Building Storage Area	Closed Out	RL-TP04			
309-TW-1, 309-TW Tank #1, 309 Holdup Tanks	Active	RL-TP04	RL-ER03	RL-ER03	
309-TW-2, 309-TW Tank #2, 309 Holdup Tanks	Active	RL-TP04	RL-ER03	RL-ER03	
309-TW-3, 309-TW Tank #3, 309 Holdup Tank	Active	RL-TP04	RL-ER03	RL-ER03	
309-WS-1, 309 Plutonium Recycle Test Reactor Ion Exchanger Vault, Reactor Ion Exchange Pit, PRTR Ion Exchange Vault	Active	RL-TP04	RL-ER03	RL-ER03	
309-WS-2, Rupture Loop Ion Exchange Pit, Ion Exchange Vault, Rupture Loop Annex Ion Exchange Loop Vault, RLAIX	Active	RL-TP04	RL-ER03	RL-ER03	
309-WS-3, 309 Brine Tank	Active	RL-TP04	RL-ER03	RL-ER03	
311 MT1, 311 Methanol Tank 1, 311 Tank Farm Underground Methanol Tank #1, 311-1	Closed Out	RL-TP04			
311 MT2, 311 Methanol Tank 2, 311 Tank Farm Underground Methanol Tank #2, 311-2	Closed Out	RL-TP04			
311-TK-40, 311 Neutralized Waste Tank 1	Active	RL-TP04	RL-ER03	RL-ER03	
311-TK-50, 311 Neutralized Waste Tank 2, 311 Neutralization Tank #2	Active	RL-TP04	RL-ER03	RL-ER03	
313 CENTRIFUGE, 313 Centrifuge, 300 Area WATS	Active	RL-TP04	RL-ER03	RL-ER03	
313 ESSP, 313 East Side Storage Pad, 313 Building East Site Storage Pad	Active	RL-TP04	RL-TP04	RL-ER03	
313 FP, 313 Filter Press, 300 Area Waste Acid Treatment System	Active	RL-TP04	RL-ER03	RL-ER03	
313-TK-2, 313 Waste Acid Neutralization Tank, 300 Area Waste Acid Treatment System	Active	RL-TP04	RL-ER03	RL-ER03	
323 Tank 1, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03	
323 Tank 2, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03	
323 Tank 3, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03	
323 Tank 4, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03	

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

		L	Life Cycle Phas		
Waste Site	Status	S&M	Post Ops	Remedial	
			D	Action	
333 ESHWSA, 333 East Side HWSA, 333 Building East Side Hazardous	Active		RL-TP04	RL-ER03	
Waste Storage Area		D. 7001	5. 55.0	D. 5000	
333 WSTF, 333 West Side Tank Farm, 333 West Side Waste Oil Tank, 333	Active	RL-TP04	RL-ER03	RL-ER03	
West Side Uranium Bearing Acid Tanks, 333 WSWOT	<u> </u>				
333-TK-11, 333 West Side Storage Tank for Uranium Bearing Acid, 333	Active	RL-TP04	RL-ER03	RL-ER03	
Chromium Treatment Tank 2			_		
333-TK-7, 333 West Side Storage Tank for Uranium Bearing Acid, 333	Active	RL-TP04	RL-ER03	RL-ER03	
Chromium Treatment Tank 1					
334 TFWAST, 334 Tank Farm Waste Acid Storage Tank, Tank 4	Active	RL-TP04	RL-ER03	RL-ER03	
334-A-TK-B, 334-A Waste Acid Storage Tank 1	Active	RL-TP04	RL-ER03	RL-ER03	
334-A-TK-C, 334-A Waste Acid Storage Tank 2	Active	RL-TP04	RL-ER03	RL-ER03	
335 & 336 RSDF, 335 & 336 Retired Sanitary Drain Field	Rejected	RL-TP04		RL-ER03	
3712 USSA, 3712 Uranium Scrap Storage Area, 3712 Building Uranium	Active	RL-TP04	RL-TP04	RL-TP04	
Scrap Storage Area, 3712 Fuels Warehouse					
3718-F BS, 3718-F Burn Shed	Closed Out	RL-TP04	RL-TP04	RL-ER03	
3718-F SF, 3718-F Storage Facility, 3718-F Alkali Metal Treatment Facility	Closed Out	RL-TP04	RL-TP04	RL-ER03	
3718-F TT1, 3718-F Treatment Tank 1	Closed Out	RL-TP04	RL-TP04	RL-ER03	
3718-F TT2, 3718-F Treatment Tank 2	Closed Out	RL-TP04	RL-TP04	RL-ER03	
618-1, Solid Waste Burial Ground No. 1, 318-1	Active	RL-TP04	RL-ER03	RL-ER03	
UPR-300-13, UN-300-13, Acid Neutralization Tank Leak East of 333	Rejected	RL-TP04		RL-ER03	
Building					
UPR-300-14, UN-300-14, Acid Leak at 334 Tank Farm	Rejected	RL-TP04		RL-ER03	
UPR-300-17, UN-300-17	Active	RL-TP04	RL-ER03	RL-ER03	
UPR-300-18, UN-300-18	Rejected		RL-TP04	RL-ER03	
UPR-300-31, UN-300-31	Rejected		RL-TP04	RL-ER03	
UPR-300-38, Soil Contamination Beneath the 313 Building	Active	RL-TP04	RL-ER03	RL-ER03	
UPR-300-39, UN-300-39	Active	RL-TP04	RL-ER03	RL-ER03	
UPR-300-4, UN-300-4	Active	RL-TP04	RL-ER03	RL-ER03	
UPR-300-40, Acid Release at the 303-F Pipe Trench, UN-300-40,	Active	RL-TP04	RL-TP04	RL-ER03	
UPR-300-31, UN-300-31					
UPR-300-44, 313 Building, Uranium Bearing Waste Etch-Acid Spill,	Rejected	RL-TP04		RL-ER03	
UN-300-44					
UPR-300-45, 303-F Building Uranium-Bearing Acid Spill, UN-300-45	Active	RL-TP04	RL-ER03	RL-ER03	
UPR-300-46, Contamination North of 333 Building	Active	RL-TP04	RL-ER03	RL-ER03	
UPR-300-5, UN-300-5, Spill at 309 Storage Basin	Active	RL-TP04	RL-ER03	RL-ER03	

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action

RL-ER03 - 300 Area Source Remedial Action

RL-ER05 - Surveillance & Maintenance

RL-ER06 - Decontamination & Decommissioning

RL-ER07 - Long Term Surveillance & Maintenance

RL-TP01 - B-Plant

RL-TP02 - WESF

RL-TP03 - PUREX

RL-TP04 - 300 Area/SNM

RL-TP05 - PFP

RL-TP08 - 324/327 Facility Transition

RL-TP10 - Accelerated Deactivation

RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization

RL-TW03 - Tank Farm Operations

4.2.4.e Performance Measures

Performance measures are used to monitor both mission and corporate management. In this

document, our focus is on mission management. There are two types of mission-focused performance measures. First, there are performance measures that monitor the progress made on activities that must be completed to enable a key step in waste/material cleanup to occur. For the Facility Stabilization mission, these activities may involve the deactivation of facilities, decoupling active and inactive facilities, repair and upgrade of waste storage facilities and systems, and development of waste treatment/storage/transfer plans.

Second, there are performance measures that track the progress made in the processing of wastes, other materials, and facilities. These "process" measures monitor changes in waste/material/facility form, storage/containment method, and location. These measures are important because they are directly linked to two key Success Indicators - the reduction in the level of active management required for the inventory and the reduction in the hazard posed by the waste/material. Process measures will monitor the waste/material/facility during each major processing step as it transitions from its initial configuration to the configuration described by the appropriate endpoint target. Endpoint targets for the Facility Stabilization mission are presented in the Hanford Strategic Plan and are included in the Facility Life-Cycle Requirements Section for each project that comprises this mission.

4.2.4.1 B-Plant

4.2.4.1.1 Project Description Summary

This project completed the orderly transitioning of B Plant into a safe and stable configuration suitable for long term surveillance pending final decommissioning. This included the deactivation of the 800 foot long B Plant canyon building and adjoining support facilities to an environmentally secure and stable state. Deactivation of B Plant was completed in fiscal year 1998. Remaining work items were completion of the Punch List of activities identified during deactivation for post deactivation, assembly of facility status documentation, and updating safety basis documentation to reflect the deactivated state. Turnover to the ER Program was accomplished in fiscal year 1999.

4.2.4.1.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.4.1.3 Facility Life-Cycle Requirements

- Requirements
 - None
- Planning Assumptions
 - None

4.2.4.1.4 Project Safety Authorization Basis/NEPA and Permits

Deactivation activities shall be evaluated against the approved safety authorization basis to identify any potential USQs. If the activity is shown to fall within the bounds of the safety authorization basis, additional approval is not required. If the activity is not covered, the work plans must be modified to stay within the bounds of the existing safety authorization basis or the change and activity must be approved by RL before the activity may proceed. Once approved by RL, the new analysis shall become part of the approved safety basis. The existing safety basis for B Plant is contained within the following documents:

- · WHC-SD-WM-ISB-008, B Plant Interim Safety Basis (Chalk 1996a)
- · WHC-SD-WM-SARR-030, B Plant Interim Safety Basis Accident Analysis (Chalk 1996b)
- · WHC-SD-WM-TM-004, B Plant Facility Description (Chalk 1996c)
- · WHC-SD-WM-FHA-021, B Plant Fire Hazard Analysis (Sepahur 1996).

Environmental, safety, and health requirements for B Plant are contained in the S/RID for B Plant.

4.2.4.1.5 Tri-Party Agreement Requirements

None

4.2.4.1.6 Interfaces

4.2.4.1.7 Requirements References

DOE/RL-96-92, Hanford Strategic Plan"

4.2.4.2 WESF

4.2.4.2.1 Project Description Summary

The Waste Encapsulation and Storage Facility (WESF) project mission is assuring the safe storage of approximately 147 million curies of encapsulated radioactive material. As part of accomplishing this mission, old systems and structures must be updated to be capable of functioning safely for the next 18 years. Primary upgrades are planned in the next few years in the areas of response to a potential capsule leak, pool cell monitoring capabilities, and capsule monitoring equipment. Safety analyses are also being upgraded with preparation of a new safety analysis report with accompanying operational safety requirements. These upgrades are necessary to maintain the capsules in a safe storage condition until transfer out for ultimate disposal. Final capsule removal is planned for 2017. After capsule removal the facility will be deactivated and turned over to the ER Program.

4.2.4.2.2 Life-Cycle Material and Waste Flow

Table 4-42 WESF Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
WESF	CH LLMW I	2000 - 2021	14.1	cubic meters
	CH LLW I	2000 - 2021	991.0	cubic meters
	HAZ	2000 - 2021	14.1	cubic meters
	HLW	2000 - 2018	723.0	cubic meters
	RH LLMW III	2017 - 2021	6.42	cubic meters
	RH LLW GTCIII	2017 - 2021	6.42	cubic meters
	RH LLW III	2017 - 2021	25.6	cubic meters
	Sanitary Liquid Waste	2000 - 2019	20.0	Mgal
	Treated Liquid Effluent	2000 - 2019	621000	cubic meters

4.2.4.2.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements
 - Facilities discharging to the 200 Area TEDF shall implement Best Available
 Technology (BAT)/All Known, Available, and Reasonable Treatment (AKART). The
 generator shall provide the information required by WAC 173-240, Submission of
 Plans and Reports for Construction of Waste Water Facilities.
 - · Central Plateau gaseous effluent releases shall be monitored
 - Cesium capsules shall be safely stored in WESF.
 - Strontium capsules shall be safely stored in WESF.

Planning Assumptions

- Central Plateau high cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition
- Central Plateau facilities shall be maintained within the approved safety envelope
- WESF shall be maintained within the approved safety envelope.
- The contents of the cesium capsules shall be blended with HLW feed, treated and dispositioned as immobilized HLW.
- The contents of the strontium capsules shall be blended with HLW feed, treated and dispositioned as immobilized HLW.

4.2.4.2.4 Project Safety Authorization Basis/NEPA and Permits

The safety authorization basis for WESF is contained in WHC-SD-WM-SAR-005 (Covey 1997).

The Basis for Interim Operations (BIO) is contained in HNF-SD-WM-BIO-002 rev.1 (April 1998)

The WESF operations, safety, and maintenance activities shall be managed in accordance with FSP-WESF-5-6, Waste Encapsulation and Storage Facility (WESF) Administration Manual (FDH 1997a).

4.2.4.2.5 Tri-Party Agreement Requirements

 TPA.M.17.0.B Complete implementation of "Best Available Technology/All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment (BAT/AKART) for all phase II liquid effluent streams at the Hanford Site. [Due Date: 1/31/98.]

4.2.4.2.6 Interfaces

TABLE 4-43 WESF Interfaces

	Project	
Project Title	Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives WESF Hazardous Waste from Operations
		Receives WESF Hazardous Waste from Transition
Tank Farm Operations	RL-TW03	Receives WESF-Misc. HLW
Privatization Phase II	RL-TW07	Receives WESF Cesium Capsules
		Receives WESF Strontium Capsules
Solid Waste Storage & Disposal	RL-WM03	Receives WESF, CH LLMW I
		Receives WESF, CH LLW I
		Receives WESF, RH LLMW III
		Receives WESF, RH-LLW-GTCIII
		Receives WESF, RH-LLW-III
Liquid Effluents	RL-WM05	Receives WESF Cooling Water and Liquid Effluent
Analytical Services	RL-WM06	Provides Analytical Laboratory Samples from WESF
Surveillance & Maintenance	RL-ER05	Receives Deactivated Waste Encapsulation and Storage Facility

4.2.4.2.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"

4.2.4.3 PUREX

4.2.4.3.1 Project Description Summary

This program element included the transition of the PUREX Plant and the necessary S&M throughout transition. The goal of the transition project is to achieve safe and environmentally secure facilities. Responsibility for PUREX surveillance was assumed by D&D Long-Term

Surveillance and Maintenance (RL-ER08), with the exception of Storage Tunnel #2, which is covered under the Accelerated Deactivation Project (RL-TP10).

4.2.4.3.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.4.3.3 Facility Life-Cycle Requirements

- Requirements
 - None
- Planning Assumptions
 - None

4.2.4.3.4 Project Safety Authorization Basis/NEPA and Permits

4.2.4.3.5 Tri-Party Agreement Requirements

• TPA.M.80.0 Complete PUREX and UO3 Plant facility transition phase and initiate the surveillance and maintenance phase. [Due Date: 7/31/1998]

4.2.4.3.6 Interfaces

4.2.4.3.7 Requirements References

- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"

4.2.4.4 300 Area/SNM

4.2.4.4.1 Project Description Summary

The history of the 300 Area Fuel Supply Shutdown (FSS) complex began in 1943 when the 313 Building was constructed. Other buildings were added in time to support production of fuel for

the Hanford Single Pass Reactor, which began in mid-1944. Starting in 1958, the 333 Building was constructed to support fuel fabrication for the N-Reactor. Fuel fabrication activities continued until 1987 when both N Reactor and the FSS facility began a transition-to-standby status. In 1992, the FSS complex was directed to deactivate in preparation for decontamination and decommissioning (D&D). The complex contains remaining legacies of the fuel fabrication and fuel storage mission and still includes approximately 1800 metric tons (MT) of unirradiated, low enriched fuel, which is stored in six buildings managed by FSS until relocation or final disposition. The original SNM inventory generated from fuel production operations also resulted in significant contamination of buildings and equipment, and large amounts of hazardous, mixed, and low level wastes. Due to the age of the buildings, they are showing signs of structural decay. Unsafe roof conditions in the 313 Building south side represent a large safety risk.

The 300 Area / SNM sub-project's main objective is to complete deactivation/closure activities as described in the "Shutdown Plan for the 300 Area Fuel Supply Facilities," (WHC-SD-FL-SSP-002), and the facility transfer criteria while maintaining the complex in a safe, regulatory-compliant state until turnover to Environmental Restoration (ER) Program is completed. Deactivation of the Fuel Supply complex will decrease human and environmental risk by stabilizing the buildings to levels of contamination consistent with its intended long term surveillance and eventual demolition status. Current planning is to sell the FSS inventory of SNM to a commercial uranium processing company. Any inventory of SNM remaining after the sale/offsite transfer will be declared waste and packaged for disposal. Sale/offsite transfer and burial of the remaining inventory of Special Nuclear Materials (SNM) will reduce risk of any possible contamination to the site, nearby river, and City of Richland.

The project is subdivided into five major objectives:

- 1. Maintain facilities in a regulatory-compliant state until turnover to the ER Program is completed. This includes the surveillance and storage of the remaining ~1800 MT of SNM until sale/offsite transfer and burial of remaining material in the 200 Area has been completed.
- 2. Complete the isolation or demolition of the 313 South Building to reduce the safety risks of an unsafe roof.
- 3. Complete closure of two remaining Resource Conservation and Recovery Act (RCRA) permitted Treatment, Storage, and Disposal (TSD) systems.
- 4. Complete deactivation/stabilization activities as described in the "Shutdown Plan for the 300 Area Fuel Supply Facilities." This includes stabilization of all facility buildings and deactivation of building systems to meet the predetermined endpoint criteria established with ER.
- 5. Complete disposition of remaining low enriched SNM. Removal of this material will allow final facility shutdown. This scope is managed by PBS RL-TP12, Transition Project Management. Funds for burial preparation of unsold special nuclear materials (SNM) is provided in TP04. However, efforts pursued by TP12, manager of SNM disposition, may provide alternate funding for disposition of subject material.

Project completion will be established by facility turnover to the ER Program for decontamination and decommissioning.

4.2.4.4.2 Life-Cycle Material and Waste Flow

Table 4-44 300 Area/SNM Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
300 Area Fuel Supply System	CH LLW I	2001 - 2001	0.0	cubic meters

Table 4-44 300 Area/SNM Waste/Material Flow (Out) (Continued)

Major Facility	Category	Period	Value	Units
	Depleted Uranium (DU)	2001 - 2001	2600	kilograms
	Low Enriched Uranium (LEU)	2001 - 2001	1780000	kilograms
	Natural Uranium (NU)	2001 - 2001	75600	kilograms

4.2.4.4.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

Requirements

• The Contractor shall safely and efficiently manage the deactivation of facilities in the 300 Area whose mission was the manufacture of fuels and test assemblies for the plutonium production, space power, and advanced reactor programs. The facilities include, among others, the 333 Building and associated facilities. The program will disposition nuclear material stored in these facilities. As the material is removed, each facility will be deactivated to reduce risk and attain the lowest surveillance and maintenance cost to a condition ready for disposition.

Planning Assumptions

- High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
- · Facilities and systems shall be made available for other uses.
- Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
- 300 Area / SNM Project facilities shall be transitioned to the surveillance and maintenance phase.
- 300 Area / SNM Project non-transferable special nuclear materials shall be buried in the 200 Area.
- Unirradiated uranium shall be dispositioned offsite or disposed onsite as low level waste.
- 300 Area facilities shall be surveilled and maintained within the approved safety envelope.
- 300 Area / SNM Project special nuclear materials contained in various buildings shall be surveilled and maintained within the approved safety envelope.

4.2.4.4.4 Project Safety Authorization Basis/NEPA and Permits

The authorization basis documents for the 300 Area / SNM sub-project are WHC-SD-NR-ISB-001 (Benecke 1996), WHC-SD-NR-TSR-001 (Besser 1995b) and WHC-SD-CP-ISB-003 (Dodd 1996).

4.2.4.4.5 Tri-Party Agreement Requirements

• TPA.MX.92.6.T.1 Complete commercial disposition and/or the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal/disposition of all Hanford Site UU. [Due Date: 12/31/2000] TPA Target Milestone MX-92-06T. This target date includes all UU located in 300 Area fuel supply facilities (Uranium dioxide powder and pellets stored in cans, pins, assemblies, and drums), Uranium trioxide (UO3) powder stored in T-hoppers adjacent to the U-Plant, depleted UO3 stored in 55 gallon drums in the 200 West Area and the 4713 Building.

4.2.4.4.6 Interfaces

Project Title	Project Number	Interface
Offsite Sales	EXTERNAL	Receives 300/FSS Depleted Uranium
		Receives 300/FSS Low Enriched Uranium
		Receives 300/FSS Natural Uranium
		Receives 300/FSS Other Nuclear Materials
Solid Waste Storage & Disposal	RL-WM03	Receives FUEL TRANS, CH-LLW-I
Surveillance & Maintenance	RL-ER05	Receives Deactivated 300 Area Fuel Supply System

4.2.4.4.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.2.4.5 PFP

4.2.4.5.1 Project Description Summary

The mission of the Plutonium Finishing Plant (PFP) Stabilization and Deactivation Project is to provide for the safe stabilization; interim storage; repackaging; and shipment of the PFP inventory of plutonium-bearing materials, spent nuclear fuel, and other nuclear material to other locations for reuse, long-term storage, and/or final disposition. The mission also requires deactivating and dismantling PFP Complex systems and structures to the degree determined appropriate via the NEPA process, thus eliminating significant hazards to workers, the public, and the environment, and minimizing long-term S&M risks and costs.

Stabilization of plutonium-bearing materials and deactivation/dismantlement of the PFP Complex will result in the virtual elimination of the hazards and risks associated with the facility and will greatly reduce the costs of safe, secure S&M. Using the lessons learned from

deactivation projects across the DOE Complex, further improvement on previously applied deactivation methods is anticipated.

The PFP Integrated Project Management Plan (IPMP) sets forth the plans, organization, and control systems for managing the PFP Stabilization and Deactivation Project, and includes the top level cost and schedule baselines. The IPMP integrates significant components of plutonium-bearing material stabilization activities, facility surveillance and maintenance, facility safety envelop maintenance, and facility deactivation activities with prior PFP deactivation project planning efforts. The IPMP applies an accelerated planning case, including technical alternatives and cost/schedule summaries, not currently reflected in the fiscal year 1999 Multi-Year Work Plan or in the Defense Nuclear Facilities Safety Board 94-1 Recommendation Implementation Plan. The IPMP also identifies key decisions affecting the project and provides a clear vision of the results to be obtained by the project.

The major mission objectives for the PFP Stabilization and Deactivation Project are as follows:

- Maintain inventory of plutonium-bearing material in safe and highly secure storage pending shipment offsite;
- Maintain the PFP facilities, systems, and residual radioactive and chemical contamination in a safe, compliant, and environmentally sound condition;
- Safely and cost-effectively stabilize and repackage the PFP material inventory as needed for safe, interim storage and to meet customer requirements for future reuse, long-term storage, or final disposition at other DOE sites;
- Support the DOE and the U.S. State Department in fulfilling their nuclear non-proliferation objectives;
- Ship the entire PFP material inventory to DOE-designated locations outside the PFP Complex for reuse, long-term storage, and/or final disposal;
- Deactivate, dismantle, and remove PFP process and support systems and structures as needed to achieve low risk, low cost end points for the PFP Complex;
- Further develop Hanford Site capabilities in nuclear facility decommissioning through implementation of lessons learned from prior onsite, offsite, and commercial nuclear facility deactivation projects; and
- Develop a synergistic partnership between the Facilities Transition and Environmental Restoration program teams in completing decommissioning of the PFP Complex.

4.2.4.5.2 Life-Cycle Material and Waste Flow

Table 4-46 PFP Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
PFP	Misc SNM	2002 - 2002	32.0	Items
	Spent Nuclear Fuel (SNF)	2002 - 2002	0.602	MTHM

Table 4-47 PFP Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
PFP	Asbestos	2000 - 2018	91.3	cubic meters
	CH LLMW I	2000 - 2015	63.2	cubic meters
	CH LLW I	2000 - 2016	36200	cubic meters
	CH LLW III	2000 - 2016	22.3	cubic meters
	CH TRU	2000 - 2016	4120	cubic meters
	CH TRUM	2000 - 2016	982.0	cubic meters
	HAZ	2000 - 2016	100.0	cubic meters
	Highly Enriched Uranium (HEU)	2000 - 2001	18.0	kilograms
	HLW	2000 - 2014	148.0	cubic meters
	Misc SNM	2007 - 2007	32.0	Items
	Plutonium (Pu)	2006 - 2008	4030	cans
	Sanitary Solid Waste	2000 - 2014	15100	cubic meters
	Treated Liquid Effluent	2000 - 2014	447000	cubic meters

4.2.4.5.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements
 - Facilities discharging to the 200 Area TEDF shall implement Best Available
 Technology (BAT)/All Known, Available, and Reasonable Treatment (AKART). The
 generator shall provide the information required by WAC 173-240, Submission of
 Plans and Reports for Construction of Waste Water Facilities.
 - The Clean Water Act establishes water quality standards for surface water and pretreatment standards for waste waters released to public-owned treatment works.
 All PFP support necessary to cease all discharges to the 21 6-Z-20 crib was completed prior to June 30 1995.
 - Deactivation of PFP shall comply with DOE/EIS-0244-D
 - Various DOE Orders provide and/or implement best management practices for policy and guidance to Transition Projects. The work scope, cost, and schedule are a direct result of conforming to these various orders. DOE Conduct of Operations and maintenance activities at PFP are driven by DOE 5480.19 and 4330.4B.-
 - Acquire and operate systems and facilities to achieve stabilization and de-inventory of SNM in accordance with DNFSB Recommendation 94-1 implementation agreements as documented in HNF-3617, rev 0, "Integrated Project Management Plan for the PFP Stabilization and Deactivation Project," April 1999.
 - · Transition to deactivation, deactivate and dismantle all facilities by 9/30/2016.
 - Central Plateau gaseous effluent releases shall be monitored
 - Upon completion of stabilization activities in PFP (DNFSB 94-1 implementation), the de-inventory of the stabilized SNM materials to DOE designated sites, is completed in FY08.
 - PFP plutonium shall be stabilized and either placed in vault storage until shipped offsite or disposed of properly.
 - Complete stabilization of plutonium in PFP (DNFSB 94-1 implementation) by October 2004.

 The Federal Facility Compliance Act establishes the framework for DOE to enter into Federal Facility Compliance Agreements with the individual states to address environmental issues.

Provide all PFP support necessary to complete compliance actions contained in the Hanford Federal Facility Compliance Agreement and Consent Order signed by the U.S. Department of Energy, the U.S. Environmental Protection Agency, and the State of Washington Department of Ecology. Provide all PFP support necessary to complete compliance actions contained in the Federal Facility Compliance Agreement for Radionuclide NESHAP signed by the U.S. Department of Energy and the State of Washington Department of Ecology.

· Plutonium Finishing Plant (PFP) Project.

The Contractor shall manage PFP to a condition ready for process facility disposition. This includes the storage of residual special nuclear material (SNM) stored in PFP vaults, and stabilization and deactivation of the former process facility, in order to reduce risk and attain the lowest surveillance and maintenance cost. A primary stabilization activity is the conversion of SNM to a safe form suitable for packaging into 3013 containers and shipment to designated DOE sites for final disposition. The Contractor shall complete the mitigation of all the high risk plutonium vulnerability items identified in HNF-3617, rev 0, in response to Defense Nuclear Facilities Safety Board Recommendation 94-1. This involves stabilizing all the plutonium material and packaging into 3013 containers for final disposition.

- RCRA All hazardous waste is collected, counted and identified for shipment to the Hanford Site Central Waste Storage complex
- The Comprehensive Environmental Response, Compensation, and Liability Act provides EPA with enforcement authority for remedial and corrective action activities at contaminated subproject waste sites, and is part of the regulatory authority for the Tri-Party Agreement. PFP support necessary to meet reporting requirements and complete corrective actions under CERCLA.
- The Occupational Safety and Health Act applies to any action involving the health and safety of employees in the work place. Periodic inspections are done at the PFP facilities to verify compliance with the OSHA Act. PFP activities must comply with the OSHA Act and assess any new starts/restarts of projects to the act. Continuous walk-throughs are done by the Safety Organization to ensure compliance with OSHA. PFP managers periodically review the safety and health issues to ensure compliance with OSHA-and 29-CFR-1910 guidelines Safety and Health assess level of chemicals by PFP Industrial Hygienist.
- The Clean Air Act provides policy and guidance related to release of air emissions that may be present during shutdown and cleanup activities. Prepare and submit the appropriate operating permit for entire site including PFP. 291-Z Stack Monitoring System is being readied to comply with the NESHAPS section of 40 CFR61.

Planning Assumptions

- Facilities in Central Plateau 5 Complete stabilization of plutonium in PFP (DNFSB 94-1 implementation) by October 2004.
- · Central Core non-essential, surplus buildings shall be removed.
- Central Plateau shall be used for the collection and management of nuclear materials that remain onsite.

- · Central Plateau facilities shall be maintained within the approved safety envelope
- PFP shall be maintained within the approved safety envelope.

4.2.4.5.4 Project Safety Authorization Basis/NEPA and Permits

- 1. HNF-SD-CP-SAR-021, Revision 1, "Plutonium Finishing Plant Final Safety Analysis Report" (Approved by DOE-RL Letter 99-TPD-298, August 2, 1999, "Contract No. DE-AC06-96RL13200 Plutonium Finishing Plant (PFP) Safety Evaluation Report (SER) Amendment")
- 2. WHC-SD-CP-OSR-010, Revision 0-K, "Plutonium Finishing Plant Operational Safety Requirements" (Revision 0-J was approved by DOE-RL Letter 99-TPD-284, June 24, 1999, "Contract No. DE-AC06-96RL13200 Safety Evaluation Report for Vertical Calciner located in Room 188 of the Plutonium Finishing Plant (PFP)" Revision 0-K is released by ECN 649629. DOE-RL approval is not required for changes to Administrative Control 5.22, Tables 5.22.1 and 5.22.2.)
- 3. DOE/DP-0130, January 1995, "Plutonium Finishing Plant Safety Evaluation Report" (Transmitted by DOE-RL Letter 95-PFP-001, January 11, 1995, "Approval of the Final Safety Analysis Report for the Plutonium Finishing Plant); and amendments.
- 4. HNF-2024, Rev 2, "Justification for Continued Operation for Tank 241-Z-361," and approval letter DOE-RL 99-TPD-206, June 3, 1999, "Contract No. DE-AC06-96RL13200 Justification for Continued Operation (JCO) for Hanford Underground Storage Tank 241-Z-361", which contains the Safety Evaluation Report for Revision 2 of this JCO.
- 5. Letter FDH-9755705 R3, June 9, 1999, "Contract No. DE-AC06-96RL13200 Plutonium Finishing Plant Operating Restrictions." (Revised Operating Restrictions resulting from Tank A-109 explosion, May 14, 1997.) (Approved by DOE-RL Letter-TPD-295, September 1, 1999, "Contract No. DE-AC06-96RL13200 Plutonium Finishing Plant Operating Restrictions.")

Environmental, safety, and health requirements for PFP are contained in HNF-SD-MP-SRID-003, Revision 1, "Plutonium Finishing Plant (PFP) Standards/Requirements Identification Document (S/RID)." (Approved by DOE-RL Letter, 99-TPD-023, December 3, 1998, "Contract No. DE-AC06-96RL13200 - Plutonium Finishing Plant (PFP) Standards/Requirements Identification Document (S/RID), HNF-SD-MP-SRID-003).

4.2.4.5.5 Tri-Party Agreement Requirements

- TPA.M.15.37.A Deliver two core samples from tank 241-Z-361 to a laboratory for analysis. [Due Date: 10/30/99]
- TPA.M.15.37.B Provide the EPA with complete data packages, including validation, for two cores collected from tank 241-Z-361. Provide to EPA a recommendation for a regulatory path forward for the disposition on the tank 241-Z-361 sludge (e.g., expedited response interim remedial action, or defer to the 200-PW-1 operable unit RI.FS process. [Due Date: 5/31/00]

4.2.4.5.6 Interfaces

TABLE 4-48 PFP Interfaces

	Project	
Project Title	Number	Interface
Oak Ridge National Laboratory	EXTERNAL	Receives PFP Highly Enriched Uranium (to ORNL)
Offsite Landfill	EXTERNAL	Receives PFP Asbestos during Transition
		Receives PFP Sanitary Solid Waste
Savannah River Site	EXTERNAL	Receives PFP Plutonium to Offsite
Hazardous Waste Disposal Contracts	EXTERNAL	Receives PFP Hazardous Waste
Hanford Legacy	EXTERNAL	Provides Legacy PFP Plutonium
		Provides Legacy PFP Spent Nuclear Fuel
Tank Farm Operations	RL-TW03	Receives PFP Stabilization, HLW
		Receives PFP Transition, HLW
Solid Waste Storage & Disposal	RL-WM03	Receives PFP, CH-LLMW-I
		Receives PFP, CH-LLW-I
		Receives PFP, CH-LLW-III
		Receives PFP, CH-TRU
		Receives PFP, CH-TRUM
Liquid Effluents	RL-WM05	Receives PFP Wastewater
Analytical Services	RL-WM06	Receives Analytical Laboratory Samples from PFP
Long Term Surveillance & Maintenance	RL-ER07	Receives Safe & Compliant Deactivated Plutonium Finishing Plant

4.2.4.5.7 Requirements References

- 29 CFR 1910, Occupational Safety and Health Standards"
- 40 CFR 61, National Emissions Standards for Hazardous Air Pollutants"
- 42 USC 6901, et seg., Resource Conservation and Recovery Act of 1976 (RCRA)"
- DNFSB 94-1, Defense Nuclear Facilities Safety Board Recommendation 94-1
- DNFSBIP94-1, Defense Nuclear Facilities Safety Board, Implementation Plan 94-1"
- DOE Order 5400.4, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Requirements"
- DOE Order 5480.19, Conduct of Operations Requirements for DOE Facilities"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/EIS-0244-F, Plutonium Finishing Plant Stabilization Environmental Impact Statement"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DÖE/RL-96-92, Hanford Strategic Plan"
- FFCA for HESHAP (2/7/94), The National Emission Standards for Hazardous Air Pollutants: Federal Facility Compliance Agreement for the Hanford Site
- HNF-3617, Rev 0, Hanford Site Integrated Stabilization Management Plan"
- PL 92-500, Federal Water Pollution Control Act Amendments of 1972 (Clean Water Act)"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"

4.2.4.6 Transition Project Management

4.2.4.6.1 Project Description Summary

Transition Project Management (TPM) provides centralized program, project and business management to plan, execute and control the Facility Stabilization Project (FSP). Transition Project Management provides for financial management and integration, common safeguard and security (SAS) support; centralized coordination of environmental, safety, health, radiological control and quality assurance; systems engineering (SE); new technology development and implementation support; policies and procedure development; excess facility and material planning (includes support to Hanford Surplus Facility Program 300 Area Revitalization project, Accelerated Deactivation project, etc.); FSP strategic planning; procurement and contract administration; management of Special Nuclear Materials (SNM); and operations integration support. Support for technical development of 200 Area Canyon Entombment, and Fluor Daniel Hanford, Inc. (FDH) project direction is also provided.

The primary FSP mission is to deactivate contaminated facilities on the Hanford Site; reduce risks to workers, the public and environment; transition the facilities to a low cost, long-term surveillance and maintenance state; and to provide safe and secure storage of Special Nuclear Materials, Nuclear Materials, and Nuclear Fuel (SNM/NM/NF). Facility deactivation will protect the health and safety of the public, on-site workers and the environment, and also provides for beneficial use of facilities, equipment and other resources.

As the mission for FSP has shifted from production to support of environmental restoration, each facility is making a transition to support the Site Cleanup Mission. FSP high level mission goals include: achieving deactivation of facilities and turnover of these facilities to EM-40; using Plutonium/Uranium Extraction (PUREX) and B-Plant deactivation as models for future facility deactivation; managing SNM/NM/NF in a safe and secure manner, and where appropriate, in accordance with International Atomic Energy Agency (IAEA) safeguards rules; treating SNM/NM/NF as necessary and storing these materials onsite in long-term storage awaiting final disposition decisions by the U.S. Department of Energy (DOE); implementing nuclear materials disposition directives; working in accordance with the Tri-Party Agreement (TPA), and other compliance agreements; and maintaining compliance with all applicable Federal, state and local laws.

Specific activities include:

Program, Business and Financial Management:

- Prioritize scope and budgets, and support strategic planning.
- Provide procurement and contract administration for the entire FSP.
- Provide direct financial management to all FSP Program activities.
- Provide specific management for the Transition Project Management (TP12) account.
- Prepare budget alternatives and special analyses as requested by DOE or company management.
- Coordinate activity-based cost estimates and resource-loaded schedules.
- Maintain the FSP Program Master Baseline Schedule.
- Prepare and maintain financial documents required by the site Project Tracking System (PTS), the Hanford Site Performance Report (HSPR), and the budget planning process including Multi-Year Program Plans (MYPPs), Project Baseline Summaries (PBS), Basis of Estimate (BOE) sheets, monthly reporting and budget alternatives and analysis.

- Provide strategic planning expertise on critical issues.

Environmental Compliance, Safety, Health, Radiation Control and Quality Assurance:

- Provide central coordination of environmental activities within FSP, including selective central program oversight of the implementation of TPA, environmental protection, facility compliance, and RCRA permitting activities.
- Develop/maintain environmental management system.
- Participate in the Hanford Central Environmental Committee.
- Administer and maintain the Integrated Safety Management System (ISMS).
- Provide Waste Minimization/Pollution Prevention/Dangerous Waste reporting.
- Provide Radiation Control technical support and oversight.
- Provide integration of Radiation Control procedures.
- Interface with FDH on Radiation Control issues.
- Track and trend Radiation Control performance indicators.
- Coordinate and integrate identification and resolution of FSP Quality Assurance (QA) issues.
- Provide oversight and direction on QA issues to facility management and personnel, including oversight of the Quality Improvement Plan (QIP).
- Measure, analyze, evaluate and report on the effectiveness of the FSP QA program.
- Maintain the Occupational Safety and Health Administration (OSHA) 200 Occupational Injuries/Illnesses (OII) log.
- Determine OSHA recordability classification of OII's.
- Coordinate all accident information and interface with FDH Safety, FDH Worker's Compensation and Hanford Environment Health Foundation (HEHF).
- Provide OII case management assistance.
- Administer the Voluntary Protection Program (VPP) application, review and implementation.

Safeguards and Security:

- Provide support for nonplant-specific administration and coordination of security system engineering, security projects, education and asset protection.
- Provide maintenance and testing support and system development for the Patrol Operations Center (POC) and Alarm Monitoring Operational Support System (AMOSS).
- Maintain the SNM accountability database.
- Develop and maintain policies and procedures governing the use, control, and accountability of SNM.

Operations Integration:

- Arrange for expert in plant mentoring & Conduct of Operations (COO) champions.
- Support COO Champions Program.
- Coordinate facility COO Assessments.
- Provide outside commercial nuclear operations perspective in review of plant operations.
- Support Maintenance Champions Program.
- Coordinate Conduct of Maintenance Self-Assessment Program.
- Support facilities reengineering.
- Distribute lessons learned within FSP and provide input to site-wide lessons learned program.
- Assist in development, review and evaluation of operations Performance Indicators.
- Coordinate all FSP Cost Savings efforts, including the Requirements Based Surveillance and Maintenance (RBSM) initiative.
- Implement/Coordinate the Deferred Maintenance program.

Technical Integration:

- Support new technology development and implementation.
- Support policies and procedure development.
- Support special projects development (i.e., 200 Area Canyon Entombment, 200 Area Accelerated Deactivation, Hanford Surplus Facility Program 300 Area Revitalization project, Accelerated Deactivation project, and other excess facility planning projects).
- Support requirements management activities.
- Information and computer system expertise.
- Coordinate with the Hanford Site Technical Database (HSTD).
- Criticality Engineering coordination.
- Integrated Safety Management System (ISMS) implementation.

Systems Engineering:

- Interface with Site SE personnel to develop, under their guidance, Hanford Site specification, interface, and issue documents.
- Maintain the program SE documentation in the Hanford Site Technical Baseline (HSTB).
- Continue development of program-level alternatives, and maintain current selected plant alternatives in accordance with division strategic planning.
- Provide support for Project Baseline Summary (PBS), MYPP and other budget documentation development.
- Provide technical support for further development of the plant-level SE components to determine facility cleanup needs and the optimum cleanup strategy.
- Support development of plant and company interface agreements.
- Provide SE guidance, allowing facility work breakdown structures, resource-loaded activity schedules, and other budget documentation to be revised to ensure that FSP technical, cost, and schedule baselines reflect current SE results.
- Provide guidance and assistance in the development of SE documents for other existing contaminated facilities entering the FSP program.
- Support excess facility disposition planning.

Nuclear Materials Management:

- Continue development of Plutonium strategies and strategic analysis for Hanford.
- Coordinate SNM material receipts and shipments.
- Develop DOE Order 5660.1B reports (i.e., Inventory Assessment Report, Material Management Plan, etc.).
- Support DOE in development of Disposition Management Plans.
- Special project development (i.e. uranium disposition projects, etc.).
- Coordinate efforts to disposition all site unirradiated uranium.

Canyon Entombment:

- Continue Phase 2 characterization and treatability investigations at U Plant.
- Provide project management support for technical development of canyon disposition options.

Fluor Daniel Hanford Project Direction:

- Provide FDH Project Director's office, to oversee all FSP operations.
- Provide overall guidance and direction to FSP, and act as liaison between DOE and FSP.
- Provide FDH Project Managers at each plant.
- Provide FDH-contracted mentors at critical facilities.

4.2.4.6.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.4.6.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements
 - None
- Planning Assumptions
 - None

4.2.4.6.4 Project Safety Authorization Basis/NEPA and Permits

4.2.4.6.5 Tri-Party Agreement Requirements

None

4.2.4.6.6 Interfaces

4.2.4.6.7 Requirements References

None

4.2.4.7 Accelerated Deactivation

4.2.4.7.1 Project Description Summary

The purpose of this project is to deactivate all Hanford contaminated facilities outside the 300 Area that are not currently being deactivated or scheduled for deactivation under another PBS. Initially, those facilities that no longer have a current mission and those expected to no longer have a viable mission after FY 2000 will be deactivated. All other included radiologically and hazardous contaminated facilities expected to have viable missions after FY 2000 will be

deactivated upon their mission completion (which could extend 20 years or more into the future). Since facilities in this PBS are contaminated and many are beyond their intended design life, deactivation of these facilities reduces risk to the public, environment and on-site workers by removing and/or stabilizing radiological and hazardous contamination and placing these high risk facilities in a low risk "caretaker" status until they can be demolished.

There are 32 non-mobile contaminated facilities that are assumed to either currently no longer have a viable mission or are expected to no longer have viable missions after FY 2000. Four facilities were transferred into the PBS in FY 97 (222T, 222U, 231-Z and 2704C). Four more are expected in FY 98 or FY 99 (242B, 242BL, 2718 and 209E). The remaining 24 (1208, 1226, 1227, 1253, 1517N, 151B, 1720DR, 2711E, 2711EA, 2713W, 2715E, 2715EA, 2715EC, 2715ED, 2715M, 6652H, 275UR, 4722C, 6291, 212P, 748, 224T, 242S, and 242T) are expected to be transferred between FY 00 and FY 10. There are another 16 non-mobile contaminated buildings (242A, 200TEDF, 200LERF, 200ETF, RHT + Large Eqpt. facility, SW Retreival facility, WRAP 1, and 222S facilities) that have viable missions beyond FY 2010. These facilities will be transferred between FY 14 and FY 35 as their missions end.

Most of the facilities covered in this PBS are not in close proximity to the Columbia River or other areas occupied by the general public. However, the facilities are contaminated with both radiological and hazardous materials. Contaminants of concern include cesium, strontium, uranium, mixed fission products, fuels processing and chemical contamination that includes various acids and bases, and a wide variety of cleaning agents and solvents. Many of these facilities have also exceeded their design life. A fire, containment system failure or structural collapse due to natural causes or facility deterioration could result in a release of contaminants to the environment via air, ground and water pathways overexposing on-site workers. Most areas outside these facilities already contain radiological and hazardous contaminants in the soil and an additional release of contaminants would further complicate and increase the scope and risks of future remediation efforts.

4.2.4.7.2 Life-Cycle Material and Waste Flow

Table 4-49 Accelerated Deactivation Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
PUREX	RH LLW III	2003 - 2003	1.5	cubic meters
	RH TRUM	2000 - 2001	6.2	cubic meters

Table 4-50 Accelerated Deactivation Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
T-Plant Canyon Facility	CH LLW I	2007 - 2009	79.9	cubic meters
	CH TRUM	2007 - 2009	39.8	cubic meters

4.2.4.7.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

Requirements

- The draft Hanford Air Operating Permit contains terms and conditions of the Washington Department of Ecology Air Operating Permit (permit number not established, application DOE/RL-95-07), and the Washington Department of Health Hanford Site Radioactive Air Emissions License No. FF-01.
- Central Plateau gaseous effluent releases shall be monitored
- Central Plateau liquid effluent releases shall be monitored
- Safe Operation of LERF Operation and maintenance of the LERF shall be in accordance with LERF Safety Analysis Report (Woeland 1991)
- Solids shall not be allowed to accumulate in the LERF basins which may require special cleanout actions. [LERF Treatment Exemption (95-LEP-015), 40 CFR 268.4.]
- Waste will be stored in LERF for up to one year prior to treatment in the ETF. [LERF Treatment Exemption (95-LEP-015), 40 CFR 268.4]
- Utilize the T-Plant complex as a central decontamination facility on the Hanford Site.
 This facility is permitted by the Washington Department of Ecology (Ecology) as a RCRA treatment and storage unit.
- · Operate treatment facilities and systems for liquid effluents.
- Manage current and future Hanford Site liquid effluents, including collecting, treating, and disposing of liquid effluent wastes. The program uses an integrated liquid effluent treatment system with a combination of local and central treatment systems to achieve cost-effective liquid effluent disposal. Current liquid effluent facilities include the 200 Area Liquid Effluent Retention Facility, 200 Area Treated Effluent Disposal Facility (TEDF), 200 Area Effluent Treatment Facility, 300 Area TEDF, and the 340 facility.

Planning Assumptions

- Central Plateau high cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition
- Nuclear materials shall be consolidated in the Central Plateau for interim storage pending ultimate disposition.
- · Central Plateau facilities shall be maintained within the approved safety envelope
- T Plant shall be surveilled and maintained within the approved safety envelope
- 242A Evaporator shall be operated within the approved safety envelope
- · 242A Evaporator shall be maintained within the approved safety envelope
- · 222-S shall be operated and maintained within the approved safety envelope.
- PWR fuel shall be safely stored in T Plant
- The WRAP facility shall be operated and maintained within the approved safety envelope.
- · 224-T TRUSAF shall be maintained within the approved safety envelope.
- Operations and maintenance of the LERF shall be in accordance with the Liquid Effluent Retention Facility Final Hazard Categorization Report, HNF-SD-WM-SAD-040, and the Liquid Effluent Retention Facility Auditable Safety Analysis, HNF-SD-LEF-ASA-002.
- 200 Area ETF shall be maintained within the approved safety envelope.
- 200 Area ETF shall be operated within the approved safety envelope.

4.2.4.7.4 Project Safety Authorization Basis/NEPA and Permits

Existing facility safety authorization basis documentation shall be examined before

commencement of deactivation activities to ensure a proper safety authorization basis is in place to allow economical, efficient deactivation.

4.2.4.7.5 Tri-Party Agreement Requirements

- TPA.M.17.0.B Complete implementation of "Best Available Technology/All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment (BAT/AKART) for all phase II liquid effluent streams at the Hanford Site. [Due Date: 1/31/98.]
- TPA.M.32.3 Complete T Plant tank actions. [Due Date: 9/30/1999]

4.2.4.7.6 Interfaces

TABLE 4-51 Accelerated Deactivation Interfaces

	Project	
Project Title	Number	Interface
Solid Waste Storage & Disposal	RL-WM03	Receives T Plant Canyon Deactivation, CH-LLW-I
Ŭ .		Receives T Plant Canyon Deactivation, CH-TRUM
Solid Waste Treatment	RL-WM04	Provides Deactivated T-Plant Facility
		Provides Excess 2706-T
		Provides Excess T-Plant Facility
		Provides Excess WRAP Facility
		Provides Safe & Compliant Deactivated T-Plant Facility
		Provides Safe & Compliant Excess T-Plant Facility
		Provides Safe & Compliant Stabilized T-Plant Facility
		Provides Stabilized T-Plant Facility
		Receives Deactivated T-Plant Facility
		Receives Safe & Compliant Deactivated T-Plant Facility
		Receives Safe & Compliant Excess T-Plant Facility
		Receives Safe & Compliant Stabilized T-Plant Facility
		Receives Stabilized T-Plant Facility
Liquid Effluents	RL-WM05	Provides Excess 200 Area ETF
·		Provides Excess 200 Area LERF
		Provides Excess 242-A Evaporator System
Analytical Services	RL-WM06	Provides Safe & Compliant Deactivated 222-S Laboratory Facility
		Provides Safe & Compliant Excess 222-S Laboratory Facility
		Provides Safe & Compliant Stabilized 222-S Laboratory Facility
		Receives Analytical Laboratory Samples from 200-TP
		Receives Deactivated 222-S Laboratory
		Receives In-Field Laboratory Samples from 200-TP
		Receives Stabilized 222-S Laboratory
324/327 Facility Transition	RL-TP08	Provides 324 Facility Dispersables
		Provides 324 Facility Tank Waste
		Provides 327 Facility Ion Exchange Column
Decontamination & Decommissioning	RL-ER06	Receives Deactivated 200 Area ETF
		Receives Deactivated 200 Area LERF
		Receives Deactivated 242-A Evaporator
		Receives Safe & Compliant Deactivated 222-S Laboratory Facility
		Receives Safe & Compliant Deactivated 2706-T
		Receives Safe & Compliant Deactivated M-33/M-91 Facility
		Receives Safe & Compliant Deactivated T-Plant Facility
		Receives Safe & Compliant Deactivated Transuranic Storage and
		Assay Facility
		Receives Safe & Compliant Deactivated WRAP Module 1

4.2.4.7.7 Requirements References

- · 95-LEP-015, LERF Treatment Exemption"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- WHC-SD-W105-SAR-001, LERF Safety Analysis Report"

4.2.4.8 324/327 Facility Transition

4.2.4.8.1 Project Description Summary

324/327 Project Technical Baseline (RL-TP08)

The purpose of the 324/327 Buildings Stabilization/Deactivation Project is to establish a passively safe and environmentally secure configuration of the 324 and 327 Buildings at the Hanford Site, and to preserve that configuration for a minimum of 10 years (deactivation planning basis only). The 10-year horizon will be used to predict future maintenance requirements and represents the typical time span needed to define, authorize, and initiate the follow-on decontamination and decommissioning (D&D) activities. Actual documentation may vary.

The project removes, reduces, and/or stabilizes the radioactive and the nonradioactive hazardous materials within the 324 and 327 Facilities. Completing these activities reduces hazards to workers and the public and allows for a reduced level of surveillance during the extended surveillance period following deactivation. Worker health and safety is a primary goal of stabilization and deactivation. A Voluntary Protection Program has been implemented. Deactivation places the plant in a condition that no longer requires high levels of surveillance and maintenance (S&M) to maintain safe conditions.

When fully deactivated, the facilities will be unoccupied, empty, and locked. The facilities will contain no active systems or utilities except for surveillance lighting and any necessary monitoring instrumentation.

327 Facility is a Discovery Site and is not yet in the Waste Identification Database System (WIDS).

324/327 Building Stabilization/Deactivation Project Organization Mission (RL-TP08)

The 324 Facility Stabilization Project mission is to achieve a safe, stable, and environmentally sound facility condition by stabilization and deactivation, that would be suitable for an extended period of Surveillance and Maintenance (S&M) pending final decommissioning, as quickly and economically as possible, and to place the facility in a condition acceptable for transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40). Final decontamination and decommissioning will be accomplished after transfer to the Office of Environmental Remediation (EM-40).

The 324 Facility deactivation phase will also include closure actions for areas of the 324 Facility in accordance with DOE/RL 96-73.

324/327 Facility Transition Project Principle End Point Targets

Reduce the annual 324/327 Surveillance and Maintenance costs for each building. (Current baseline is \$400,000 for both facilities).

Accomplish the deactivation and placement of the 324 and 327 Buildings into low-cost S&M by September 7, 2007.

Facility configuration will be established such that limited active systems are not required for safety and environmental confinement.

Deactivation will be performed in a way that will result in a redesignation of the 324 and 327 Buildings as radiological facilities in accordance with the criteria and guidelines provided in DOE-STD-1027, Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports.

Closure activities will be completed for the radiochemical engineering cells (REC) and high level vault (HLV) + LLV + associated areas to meet current Tri-Party Agreement (TPA) commitments.

324/327 Facility Transition Project Supported End Point Targets

The acceptable end state is defined by the following programmatic and physical results.

Programmatic:

- The building stabilization phase was completed with termination of operations, establishment of a Surveillance and Maintenance (S&M) program, development of facility-specific end points, and initiation of the deactivation Phase.
- The deactivation phase resulted in the successful completion and acceptance of the end-points established for each facility.
- The 324/327 Buildings were placed in a condition acceptable for transfer from the Office of Facilities Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40).
- The facility stabilization activities placed the facility in a condition that achieves a "radiological facility" category (DOE-STD-1027).
- A memorandum of agreement (MOA) between BWHC and BHI is approved and issued that delineates and transfers responsibilities for the future building S&M activities to BHI.
- Stabilization activities that required removal and disposal of radioactive, dangerous, and mixed waste (e.g., during tank flushing, excessing, RCRA permitting and waste disposal) complied with Federal, State, and Local regulations and requirements.
- The facility is maintained in a safe and stable condition by means of a methodical surveillance and maintenance (S&M) program.
- Material accountability, such as the SNM inventory, was reconciled.
- Facility structural integrity was verified for a minimum of five years and documented in the facility turnover package.
- Legacy equipment to remain with the building was identified, documented in the turnover package, and abandoned in place.

- The facility was placed in a physical condition adequate to contain and monitor any radioactive contamination.
- The "as left" radiation contamination survey of the facility and surrounding areas was included in the deactivation records as part of the turnover package.
- The SNM, fuels, and solid and liquid radioactive, hazardous, and mixed waste inventories were removed from the facility, or exceptions of nuclear and hazardous material remaining in the facility were identified and characterized by location, type, and quantity. Controls for such materials were documented and approved for which an end condition could not be determined.
- The building was left unoccupied, empty, locked, and maintained with minimum entry requirements pending decontamination and decommissioning.
- The building personnel have been relocated
- Radioactive, dangerous, and mixed wastes were removed using Reasonable Best Effort Methodology and disposed of in compliance with applicable regulations and requirements. Reasonable Best Effort is characterized by reducing parameters to "As Low As Economically Achievable" (ALEA) and implies use of a "Best Management Practices" approach to reach realistic, logical, and cost-effective end states or conclusions.

Physical:

- Nuclear material was removed to the necessary extent to allow the 324/327 facilities to achieve a "radiological facility" category (DOE 1992).
- Hazards, nuclear and non-nuclear, were eliminated or reduced by removing, isolating, draining, and minimizing hazardous material.
- Radiation fields were eliminated, reduced, shielded or isolated, with proper radiological posting of remaining radiation fields.
- Radioactive contamination was removed, reduced, or isolated/contained to mitigate and prevent spreading.
- Housekeeping was performed and removal of unattached (e.g., portable and/or mobile) material, equipment, office furniture and files, and chemicals was completed.
- Remaining facility hazards were isolated and contained from personnel and the environment using blanking, plugging, covering, removal, screening, and sealing of doors, windows, pipe penetrations, holes, drains, etc.
- Facility doors were locked from the inside except those required for entrance by surveillance personnel.
- To maximum extent possible, unsurveilled areas of the facility were sealed to prevent unauthorized access.
- Areas requiring access for inspection were sufficiently decontaminated.
- Installation of instrumentation such as alarms, windows in ancillary buildings, and surveillance lighting was completed to enable monitoring, surveillance, and control of the facility pending final disposition.
- Structural repairs, roof sealing, and facility modifications (e.g, upgrade the of the ventilation system) were completed to establish a safe and stable facility.
- Proper equipment labeling was provided to enable future D&D activities.
- Chemical and radioactive inventories were stabilized to minimize facility risks and allow for reduced S&M.
- Mobile quantities of SNM and SNF and related items were removed.
- The facility process vessels and tanks were emptied/drained and flushed with some process equipment disassembled to remove inventory.
- Failed equipment/jumpers were removed or stabilized in place.
- Piping to external facility interfaces was isolated unless deemed necessary to support D&D.

- Facility supplies were removed.
- Facility high-radiation areas were shielded to enable S&M and D&D activities.
- Significant SNM was removed from facility laboratory hoods.
- Facility laboratory hoods were decontaminated/isolated and hood exhaust ductwork was isolated/contained.
- Facility floor drains were plugged, removed, or isolated.
- Facility room floors, wall, and ceiling surfaces were decontaminated of hazardous and radioactive materials and resurfaced as necessary to enable S&M and D&D activities.
- Facility system headers were drained and flushed as necessary to remove hazardous and radioactive materials.
- Facility friable asbestos materials were sealed/stabilized to enable S&M and D&D activities.
- Facility laboratory gloveboxes were decontaminated and residual contamination fixed to enable S&M and D&D activities.
- Facility liquid effluent streams were eliminated.
- Facility organic solvents, acid solutions, recovered acid, and chemical and acid inventories were removed.

Utilities/Instrumentation Systems:

- The facility contains no active systems or utilities with the exception of the heating, ventilation, and air conditioning (HVAC) system as required to maintain the final confinement barrier, and systems required for monitoring and emission control.
- Systems required for monitoring and emission control, protection of surveillance personnel, the general public and environment, and vital equipment were sustained.
- Systems required to respond to emergency conditions expected in the facility's deactivated state and to prevent structural degradation were sustained.
- Unnecessary utilities and HVAC system lines were isolated.
- Facility instrument and equipment controls de-energized.
- Facility steam, water, and compressed air service was eliminated.
- Facility emergency electrical loads were minimized or eliminated.
- Facility electrical service was provided for selected lighting panels as necessary to support subsequent S&M and D&D activities.
- Facility monitoring functions consolidated at a single monitoring location.
- Facility security systems and procedures are adequate to prevent unauthorized entry.

The technical strategy for the 324 Facility includes the following objectives:

- Establish a 324 Facility configuration such that active systems are not required for safety and environmental confinement.
- Perform stabilization in a manner that will result in a redesignation of the 324 facility as a "radiological facility" in accordance with the criteria and guidelines provided in DOE-STD-1027, Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports.
- Complete closure activities per DOE/RL 96-73 to meet current TPA commitments.
- Protect the environment from contamination during any stabilization activities and associated structure upgrades and modifications required to complete the project goals.
- Sustain the systems required for protection of surveillance personnel, the general public and environment, and vital equipment.
- Sustain the systems required to respond to emergency conditions expected in the facility's deactivated state and to prevent structural degradation.
- Ensure that hazards to personnel or the environment are controlled through partial closure, removal, isolation, mitigation, or stabilization of such hazards.

- Ensure structures be maintained in a safe condition with threats to human health and safety removed or appropriate compensatory measures (barriers, access controls, administrative controls, etc.) implemented.

The technical strategy for 327 Facility includes the following objectives:

- Establish a 327 Facility configuration such that active systems are not required for safety and environmental confinement.
- Perform stabilization in a manner that will result in a redesignation of the 327 facility as a "radiological facility" in accordance with the criteria and guidelines provided in DOE-STD-1027, Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports.
- Protect the environment from contamination during any stabilization activities and associated structure upgrades and modifications required to complete the project goals.
- Sustain the systems required for protection of surveillance personnel, the general public and environment, and vital equipment.
- Sustain the systems required to respond to emergency conditions expected in the facility's deactivated state and to prevent structural degradation.
- Ensure that hazards to personnel or the environment are controlled through partial closure, removal, isolation, mitigation, or stabilization of such hazards.
- Ensure structures be maintained in a safe condition with threats to human health and safety removed or appropriate compensatory measures (barriers, access controls, administrative controls, etc.) implemented.

4.2.4.8.2 Life-Cycle Material and Waste Flow

Major Facility Value Period Category **Units** CH LLMW III 324 Facility 2000 - 2007 27.2 cubic meters CH LLW II 2000 - 2007 142 0 cubic meters. 2000 - 2006 169.0 cubic meters CH TRU 0.514 2001 - 2002 cubic meters CH TRUM 2001 - 2006 1.54 cubic meters HAZ 2000 - 2006 67.6 cubic meters Industrial Waste Water 2000 - 2007 190000 cubic meters RH LLW III 2000 - 2007 108.0 cubic meters RH TRU 2000 - 2007 121.0 cubic meters RH TRUM 2000 - 2007 37.5 cubic meters Spent Nuclear Fuel (SNF) 2002 - 2002 MTHM 327 Facility HAZ 2000 - 2007 11.0 cubic meters Industrial Waste Water 2000 - 2007 159000 cubic meters

2003 - 2003

1.5

Table 4-52 324/327 Facility Transition Waste/Material Flow (Out)

4.2.4.8.3 Facility Life-Cycle Requirements

RH LLW III

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

Requirements

cubic meters

- Section V of the Clean Air Act of 1977 (CAA), adopted in the 1990 amendments to the CAA, establishes a federal permitting program, which will be administered by the states. Any "major source" of criteria pollutants or of hazardous air pollutants will be required to obtain a permit to operate the source.
- The Clean Water Act of 1977 (CWA) requires any source that discharges a "pollutant" into a surface water body to obtain and operate in compliance with a National Pollution Discharge Elimination System (NPDES) permit. The CWA includes radioactive materials in its definition of pollutant (33 U.S.C. 1362 (6)). However, the EPA has interpreted "pollutant" to exclude radioactive materials regulated under the Atomic Energy Act of 1954 (AEA). The CWA applies to naturally occurring and accelerator-produced radioisotopes; it does not apply to source, special, or byproduct materials as the AEA defines those terms. Currently, four effluent streams are discharged from the 324 and 327 Facilities.
- Reduce facility cost to the minimum needed to support surveillance and maintenance pending final facility decontamination and decommissioning.
- Complete the 324 Facility special case waste (SCW) assessment in support of 324 closure
- Close the REC, the high-level vault (HLV) and low-level vault (LLV), the piping, and the associated areas in accordance with DOE/RL 96-73.
- Accomplish stabilization and deactivation activities to place the 327 Facility into low cost Surveillance and Maintenance, to achieve a 327 Facility safety class designation of "radiological facility" using the STD 1027 standard and implementation guide, and to place the facility in a condition acceptable for transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40) by Sept 7, 2007.
- Accomplish stabilization and deactivation activities to place the 324 Facility into low cost Surveillance and Maintenance, to achieve a 324 Facility safety class designation of "radiological facility" using the STD 1027 standard and implementation guide, and to place the facility in a condition acceptable for transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40) by Sept. 7, 2007.
- Reduce the annual surveillance and maintenance costs for both the 324 and 327 Facilities to less than \$400,000 (BWHC 1997).
- Reduce the annual surveillance and maintenance costs for both the 324 and 327 Facilities to less than \$400,000 (BWHC 1997).
- Establish a passively safe (i.e., limited active systems required) and environmentally secure facility configuration, including implementation of contamination controls, for safety and environmental confinement that may be retained through the post-deactivation period until final facility disposition activities begin.
- Establish a passively safe (i.e., limited active systems required) and environmentally secure facility configuration, including implementation of contamination controls, for safety and environmental confinement that may be retained through the post-deactivation period until final facility disposition activities begin.
- 324 B Cell dispersible material shall be containerized and removed by November 30, 2000.
- · 324 B Cell excess equipment shall be removed by November 30, 2000.
- 324 Building Nuclear Materials shall be dispositioned.
- South 600 Årea liquid effluent releases shall be monitored
- 324 building shall be maintained within the approved safety envelope.
- 324 building shall be operated within the approved safety envelope.
- 324 building B Cell safety issues shall be resolved by Dec 1998.

- South 600 area cesium capsules, pellets, and powders shall be repackaged as necessary.
- Protect workers, the public, and the environment during 324 stabilization and deactivation activities.
- Protect workers, the public, and the environment during 327 stabilization and deactivation activities.
- Comply with regulations and requirements during 327 stabilization and deactivation activities.
- Reduce 327 facility cost to the minimum needed to support surveillance and maintenance pending final facility decontamination and decommissioning.
- Facilitate 327 Facility S&M to ensure that remaining process equipment does not fail and release any residual materials.
- Establish baseline data for 327 S&M to enable record keeping to identify systems and/or components that may be deteriorating and to advise decommissioning personnel about the potential hazards.
- Hazardous and radioactive materials shall be removed from the 327 facility or reduced and stabilized sufficiently to reduce hazards to workers and the public, to ensure long-term facility safety and regulatory compliance, to reduce the level of required surveillance during the extended surveillance period following deactivation, to enable plant classification as a "radiological facility", and to enable subsequent successful D&D.
- Promote facility decommissioning by preparing the 327 facility to be one that is cleaned of process materials to the greatest extent possible.
- Empty and flush 327 process systems to eliminate the need to generate RCRA permits for storage tanks.
- Establish 327 hazardous material inventories to ensure the location and amount of all material is known.
- Remove and dispose of filters and other such equipment that contain radioactive or hazardous materials consistent with 327 facility operation requirements.
- Conduct 327 stabilization activities with consideration for waste minimization and pollution prevention.
- Remove fissionable material to the extent required to enable the 327 facility hazard category to be reduced from a "fissionable material facility" to one of a "radioactive facility."
- Eliminate or reduce 327 facility hazards, nuclear and non-nuclear.
- Eliminate, shield, or isolate radiation fields to enable 327 S&M and D&D activities.
- Reduce 327 facility contamination and prevent its spread or migration.
- Accomplish waste disposal during 327 stabilization and deactivation activities in compliance with applicable laws and regulations.
- Isolate and contain residual, potentially hazardous materials or conditions in 327 facility
- Provide capability for ongoing monitoring and control of the 327 facility.
- Provide additional 327 facility modification or refurbishment to support future work (S&M or D&D)
- Provide 327 turnover documentation and equipment labeling.
- Conducted a facility assessment (i.e., characterize the hazards, risks, liabilities, and costs) to provide a technical basis for future 324 Facility Stabilization Project decisions.
- Comply with regulations and requirements during 324 stabilization and deactivation activities
- Facilitate 324 Facility S&M to ensure that remaining process equipment does not fail and release any residual materials.

- Establish baseline data for 324 S&M to enable record keeping to identify systems and/or components that may be deteriorating and to advise decommissioning personnel about the potential hazards.
- Hazardous and radioactive materials shall be removed from the 324 facility or reduced and stabilized sufficiently to reduce hazards to workers and the public, to ensure long-term facility safety and regulatory compliance, to reduce the level of required surveillance during the extended surveillance period following deactivation, to enable plant classification as a "radiological facility", and to enable subsequent successful D&D.
- Promote 324 facility decommissioning by preparing the facility to be one that is cleaned of process materials to the greatest extent possible.
- Empty and flush 324 facility process systems to eliminate the need to generate RCRA permits for storage tanks.
- Establish hazardous material inventories to ensure the location and amount of all material is known in 324 facility.
- Remove and dispose of filters and other such equipment that contain radioactive or hazardous materials consistent with 324 facility operation requirements.
- Conduct 324 stabilization activities with consideration for waste minimization and pollution prevention.
- Remove radioactive material to the extent required to enable the 324 facility hazard category to be reduced from a "fissionable material facility" to one of a "radioactive facility."
- Conducted a facility assessment (i.e., characterize the hazards, risks, liabilities, and costs) to provide a technical basis for future 324 Facility Stabilization Project decisions
- Eliminate or reduce 324 facility hazards, nuclear and non-nuclear.
- Eliminate, shield, or isolate radiation fields to enable 324 S&M and D&D activities.
- Reduce 324 facility contamination and prevent its spread or migration.
- Accomplish waste disposal during 324 stabilization and deactivation activities in compliance with applicable laws and regulations.
- Isolate and contain residual, potentially hazardous materials or conditions in 324 facility.
- · Provide capability for ongoing monitoring and control of the 324 facility.
- Provide additional 324 facility modification or refurbishment to support future work (S&M or D&D).
- Provide 324 turnover documentation and equipment labeling.
- National Environmental Protection Act/State Environmental Policy Act Status and Strategy. The NEPA is a review and documentation process promulgated under 10 CFR 1021 and 40 CFR 1508.27 and also executed pursuant to DOE Order 5440.1E, Chapter V. This documentation requires that all federal agencies identify the environmental impacts associated with the proposed remedial actions that may significantly affect the environment.
- National Historic Preservation Act (NHPA) provisions found in 36 CFR 800, "Determination of Eligibility for Inclusion in National Register," require federal agencies to survey all lands and structures under their control, and to identify and evaluate all properties for eligibility to be listed in the National Register of Historic Places.
- RCRA, as amended (42 U.S.C., sec. 6901 et seq. and implemented in Washington State through Washington Administrative Code [WAC] 173-303), regulates the generation, transportation, storage, treatment, and disposal of solid and hazardous waste. The RCRA provisions govern cleanup of hazardous waste constituents released to the environment from hazardous or solid waste management units.

Planning Assumptions

- High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
- · Facilities and systems shall be made available for other uses.
- Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
- 324 building shall be transitioned to the surveillance and maintenance phase.
- 327 building shall be transitioned to the surveillance and maintenance phase
- 327 Building Nuclear Material shall be dispositioned.
- 327 building shall be maintained within the approved safety envelope.
- 327 building shall be operated within the approved safety envelope.
- 300 Area SNM contained in various buildings shall be surveilled and maintained within the approved safety envelope.
- SNM contained in the 327 Building shall be surveilled and maintained within the approved safety envelope.
- 300 Area nuclear materials shall be remediated.

4.2.4.8.4 Project Safety Authorization Basis/NEPA and Permits

The current safety authorization basis for the 324 Buildings is contained in HNF-SD-SPJ-SAR-001 Rev1b, 2/10/99, 324 Building Safety Analysis Report. The safety authorization basis for the 327 Buildings is contained in HNF-SD-SPJ-SAR-002 Rev1b, 2/10/99, 327 Building Safety Analysis Report.

These buildings shall be operated in accordance with 324 and 327 Operations manuals. Environmental, safety, and health requirements for the 324 and 327 Buildings are contained in the S/RID for 324 and 327.

4.2.4.8.5 Tri-Party Agreement Requirements

- TPA.M.89.0 TPA Milestone M-89 complete closure of non-permitted mixed waste units in the 324 Building REC B-cell, REC D-cell and high level vault. [Due Date: tbd by Ecology]
- TPA.M.89.1 TPA Milestone M-89-01, completed September 5, 1996, required removal of 324 Facility HLV Tank mixed waste (e.g., TK-104, TK-105, and TK-107) with the exception of residues which may remain following flushing and draining to the extent possible.
- TPA.M.89.1.A TPA Milestone M-89-01A, completed March 31, 1995, identifies the HLV tanks that contained mixed waste as tanks 104, 105, and 107, and directs the U.S. Department of Energy, Richland Operations Office (DOE-RL) to flush and drain these tanks.

- TPA.M.89.2 TPA Miletone M-89-02, due November 30, 2000, requires removal of 324 facility B-Cell mixed waste and equipment. Actions under this milestone include containment and removal of all B Cell dispersible materials, excess equipment and debris. Containerized MW will be managed in compliance with Chapter 173.303 WAC, thereby reducing risks to human health and the environment. Any remaining residues following removal actions will be managed through the final closure process. USDOE's 324 Building Rec B Cell clean-out project (BCCP) will be used as a guide for containerizing dispersible MW and removing unnecessary equipment and materials from B-Cell.
- TPA.M.89.5 TPA Milestone M-89-05, completed June 30, 1998, required completion of the 324 facility special case waste (SCW) assessment in support of 324 closure.
- TPA.M.92.1 Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for sitewide consolidation, and storage prior to commercial use, or treatment and/or repackaging by DOE TWRS.
 - Completion of this milestone requires the completion of commercial disposition and/or all construction of internal/external facility(s) modifications, and startup activities necessary for the treatment/processing, repackaging (if necessary), and storage of Cs/Sr (to include unencapsulated salts) located at the (1) "ARECO" facility in Lynchberg VA (25 capsules), (2) Hanford 300 Area (13 capsules at the 327 pool facility and excess Cs/Sr salts at the 324 facility), and (3) Hanford Waste Encapsulation and Storage Facility (WESF) in the 200 East Area. [Due Date: 12/31/2009]
- TPA.M.92.4 TPA Milestone M-92-04, Completed December 1998, required transfer of all 300 Area Cs/Sr to WESF and/or an approved storage location by 12/31/98.
- TPA.M.92.12 TPA Milestone M-92-12 complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for consolidated storage prior to disposal of Hanford Site 300 Area Special Case Waste (SCW). [Due Date: 9/30/2006]
- TPA.M.92.13 TPA Milestone M-92-13, Submit 300 Area PMP to Ecology persuant to Agreement Action Plan, Section 11.5 [Due Date: 30 Sep 2000]
- TPA.M.92.14 TPA Milestone M-92-14 Complete removal and transfer, and initiate storage of Phase I 300 Area SCW and materials. Phase I inventory will consist of, at minimum, one-third the total curie content of all 300 Area SCW by September 30, 2002
- TPA.M.92.15 TPA Milestone M-92-15 Complete removal and transfer, and initiate storage of Phase II 300 Area SCW and materials. Phase II inventory will consist of, at minimum, half of the remaining curie content of 300 Area SCW waste and materials by September 30, 2004.
- TPA.M.92.16 TPA Milestone M-92-16 complete removal and transfer, and initiate storage of Phase III 300 Area SCW and materials by September 30, 2006.

4.2.4.8.6 Interfaces

TABLE 4-53 324/327 Facility Transition Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives 324 Facility, HAZ
		Receives 327 Facility Hazardous Waste

TABLE 4-53 324/327 Facility Transition Interfaces (Continued)

	Project	
Project Title	Number	Interface
Tank Farm Operations	RL-TW03	Receives 324 Facility HLW
		Receives 327 Facility Radioactive/Mixed Liquid Waste to DSTs
Solid Waste Storage & Disposal	RL-WM03	Receives 324 Facility, CH LLMW III
		Receives 324 Facility, CH LLW I
		Receives 324 Facility, CH LLW III
		Receives 324 Facility, CH-TRU
		Receives 324 Facility, CH-TRUM
		Receives 324 Facility, RH-TRU
		Receives 324 Facility, RH-TRUM
Liquid Effluents	RL-WM05	Receives 324 Building Process Sewer Industrial Waste Water
		Transfer
		Receives 324 Potentially Contaminated Waste Water
		Receives 327 Building Process Sewer Industrial Waste Water
		Transfer
Analytical Services	RL-WM06	Provides Excess 327 Facility
Spent Nuclear Fuel Project	RL-WM01	Receives 324 Spent Nuclear Fuel
Canister Storage Building Operations	RL-WM02	Receives 324 Spent Nuclear Fuel
Accelerated Deactivation	RL-TP10	Receives 324 Facility Dispersables
		Receives 324 Facility Tank Waste
		Receives 327 Facility Ion Exchange Column
300 Area Source Remedial Action	RL-ER03	Receives Deactivated 327 Facility

4.2.4.8.7 Requirements References

- 10 CFR 1021, NEPA Implementing Procedures"
- 36 CFR 800, Protection of Historic and Cultural Properties"
- 42 USC 6901, et seq., Resource Conservation and Recovery Act of 1976 (RCRA)"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-73, The 324 Radiochemical Engineering Cells, High-Level Vault, Low-Level Vault, and Associated Areas Closure Plan
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-IP-1289, 324/327 Building Stabilization Project Management Plan "
- HNF-IP-2118, 327 Building End Point Specification Document"
- HNF-IP-2119, 324 Building End Point Specification Document"
- PL 92-500, Federal Water Pollution Control Act Amendments of 1972 (Clean Water Act)"
- RCW 70.94, Washington Clean Air Act"

4.2.4.9 Hanford Surplus Facility Prog 300A Revitalization

4.2.4.9.1 Project Description Summary

As a result of Hanford site mission change from defense production to cleanup and downsizing, the 300 area has a number of excess facilities requiring disposition beyond simple removal.

Seven buildings were assigned to the Facility Stabilization Project in FY1998 and the minimum

surveillance and maintenance for them is funded from this PBS. They are 321, 321B, 321C, 321D, 3706, 3706A and 377.

The purpose of this project is to provide a path forward for the seven facilities currently assigned to this PBS. In future years Miscellaneous Engineering and radiological facilities, 325, 326, 329, 306W and the 331 facilities are planned to be transferred to this PBS. The path forward for these facilities includes:

- Monitoring and maintenance of facilities and grounds as required to assure containment of the radioactive and hazardous material.
- Stabilization and deactivation of contaminated facilities.
- Alternative cleanup of facilities, removing the legacy and liabilities of DOE operations ONLY TO THE EXTENT NECESSARY for facility and area alternative use.
- Final disposition of facilities including sale, dismantlement for salvage, demolition, and alternate use of facilities where facility re-use is economically and practically feasible.

4.2.4.9.2 Life-Cycle Material and Waste Flow

Table 4-54 Hanford Surplus Facility Prog 300A Revitalization Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
306W	Industrial Waste Water	2000 - 2007	99400	cubic meters
Misc Radiological Facilities	Industrial Waste Water	2000 - 2030	1740000	cubic meters

4.2.4.9.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements
 - South 600 Area gaseous effluent releases shall be monitored.

Planning Assumptions

- High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
- · Facilities and systems shall be made available for other uses.
- Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
- 300 Area facilities shall be surveilled and maintained within the approved safety envelope.
- 325 facility shall be maintained within the approved safety envelope.
- 325 facility shall be operated within the approved safety envelope.
- 326 facility shall be maintained within the approved safety envelope.
- 326 facility shall be operated within the approved safety envelope.
- · 329 facility shall be maintained within the approved safety envelope.
- 329 facility shall be operated within the approved safety envelope.
- 306W facility shall be maintained within the approved safety envelope.
- 306W facility shall be operated within the approved safety envelope.
- 331 facility shall be maintained within the approved safety envelope.

· 331 facility shall be operated within the approved safety envelope.

4.2.4.9.4 Project Safety Authorization Basis/NEPA and Permits

Existing facility safety Authorization Basis documentation shall be reviewed/revised before work execution to ensure the proper safety Authorization Basis is in place to support economical and efficient project execution.

4.2.4.9.5 Tri-Party Agreement Requirements

None

4.2.4.9.6 Interfaces

TABLE 4-55 Hanford Surplus Facility Prog 300A Revitalization Interfaces

D 1 4 TH	Project Number	
Project Title		Interface
Liquid Effluents	RL-WM05	Receives 306W Industrial Waste Water Transfers
		Receives Misc Rad Facility Industrial Waste Water Transfers
Surveillance & Maintenance	RL-ER05	Receives Deactivated 331 Facility
		Receives Safe & Compliant Deactivated Misc Rad Facility
		Receives Safe & Compliant Deactivated 306W Facility
		Receives Safe & Compliant Deactivated 325 Facility
		Receives Safe & Compliant Deactivated 326 Facility
		Receives Safe & Compliant Deactivated 329 Facility
PNNL Waste Management	RL-ST01	Provides Excess 306W Facility
		Provides Excess 325 Building
		Provides Excess 326 Building
		Provides Excess 329 Building
		Provides Excess 331 Facility
		Provides Excess Misc. Rad Labs

4.2.4.9.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-96-92, Hanford Strategic Plan"